

Designer and manufacturer
of high performance antennas.



Phantom[®] - pg. 4
True Field Diversity
Solid State - No Coil
Patented Technology



GPSx[™] - Survivor VHF Antennas - Pg. 6



Enclosed Yagi - Pg. 16



GPSx[™] - NMO mountable GPS antenna - Pg. 5

WIRELESS
Design & Development
TECHNOLOGY AWARD WINNER
2000



Multiversity[™] Indoor Antennas - Pg. 15



240 **Trapper[™]** Lightning Arrestor - Pg. 29





The ANTENEX[®] Triad of Complete Antenna Solutions

- Over 1000 stock designs
- Nearly 7000 Model Combinations
- Optimized Designs
- Finest Craftsmanship
- Highest Grade Materials
- Feature Rich
- Ready to Ship
- Competitively Priced
- Custom Reconfiguration and Tuning of Standard Product

Standard Catalog Product



You will notice when browsing this catalog that some products are highlighted in green. These products represent the most popular frequency and gain configuration within the product family. All green highlighted products are stocked and ready for immediate shipment.

Products shown in black are made-to-order items. Delivery of these products will be subject to current factory lead time. However, with our flexible and modern manufacturing system, they are built and shipped very quickly.

In this catalog you will notice that a wide variety of functions are covered with a minimum of products, making ANTENEX[®] an easy line to stock.

ANTENEX[®] Technologies

ANTENEX[®] leads the way in advanced antenna design. Many of our patented technologies offer solutions unavailable from any other source.

From the field diversity Phantom family to the solid state Genesis wide band family, ANTENEX[®] products will meet nearly any application or installation challenge.

In the rare case that one of these products will not meet your requirement, we also have a wide array of in-house design and development capabilities.

- **Phantom[®]**: Patented Field Diversity
- **MIA**: Patented Multiversity Indoor Solution
- **Genesis[™]**: Patented Solid State Wideband
- **Voyager[™]**: Patented Broadband
- **GPSx[™]**: Single Package Dual Band
- **GPSx[™]**: NMO Mountable



Custom & OEM Development

- RF Design
- Mechanical Design
- PC Board Design, Prototype & Production Custom Machining
- Custom Machining
- Injection Mold Tool Design & Construction
- Injection Molding
- Springs and Coil Windings
- Ultrasonic Welding



Utilizing the right combination of the many ANTENEX[®] design, prototype and manufacturing capabilities, we achieve results! Our design team has extensive experience in both the private and public sector, including the aerospace and defense industries.

We have the expertise and equipment infrastructure to produce mechanical prototypes for your project. From stamping to injection molding, from milling to circuit board production, our in-house design team can design, develop, and produce professional prototypes.

We can also take an existing wireless device, set it up in our lab, and design an antenna to fit your requirements for return loss efficiency and radiation pattern. Simply complete the Product Design Worksheet on page 42, fax it to our OEM Design Department. We will quickly return a quotation.



Product Courtesy of Gastronics, Inc.

As you can see from our vast array of products and capabilities, we are poised to satisfy nearly any antenna requirement with speed, quality and the personal touch that you expect from ANTENEX[®].

For the latest developments on our most current products, please visit our web site at: [http://www.ANTENEX[®].com](http://www.ANTENEX.com).

TO ORDER FROM ANTENEX® WORLDWIDE:

PHONE: 630-351-9007
800-323-3757 (USA ONLY)
FAX: 630-351-9009

ON-LINE: <http://www.ANTENEX.com>
E-MAIL: sales@ANTENEX.com

MAIL: 2000-205 Bloomingdale Road
Glendale Heights, IL 60139 U.S.A.

PAYMENTS:

ANTENEX®, Inc.
Dept. F
P.O. Box 4755
Carol Stream, IL 60197-4755

TECH-SUPPORT WORLDWIDE:

PHONE: 630-351-9011
FAX: 630-351-9009

ON-LINE: <http://www.ANTENEX.com>
E-MAIL: support@ANTENEX.com

*"Se habla español."
"Parliamo in italiano."
"Chúng tôi nói tiếng việt rất thông thạo."
We speak many languages at ANTENEX®.
Of course, we export!*



Using this Catalog

This Catalog is designed with customer input for quick and accurate selection of antenna products. Please contact us with any questions, comments or suggestions that you might have.

Manufacturers Suggested Retail Price (MSRP) replaces User Price which was used in previous versions of this catalog. MSRP is our suggested retail price to the ultimate end user. Dealer prices apply only to authorized and appointed **ANTENEX®** dealers.

Please follow the ordering guide for each product family carefully to ensure that the appropriate product is selected for a particular application. Products highlighted in green are stocked in depth and ready for immediate shipment. The balance of products listed in this catalog are subject to current manufacturing lead times. Re-configuration, modification or engineering of any product in this catalog can be quoted. If you can not find the product you need for your application, please call us for pricing and delivery.

ANTENEX® assumes that the buyer has the proper installation and application knowledge for the safe and accurate selection of product. **ANTENEX®** will not be responsible for the misapplication or misuse of product. Please contact your local radio professional for assistance if you are unsure of appropriate product installation, use or selection.

ANTENEX® reserves the right to only sell to its appointed dealers and distributors. See page 43 for dealer terms, payment and ordering information.

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CREDITS: The **ANTENEX®** catalog was proudly produced in-house in the **ANTENEX®** photo lab and graphics department by the talented people of **ANTENEX®**, Inc. Editors include Bill, Bruce, Don, Glen, Frank, Marcos, Tony and Vance. Graphic design and typesetting by Vance. Photos by Vance and Don. Technical graphs by Tony.

Phantom® Antennas Patented Whipless Performance

Our unique patented Phantom® is a tough antenna for outdoor or indoor applications. The Phantom® revolutionary design features field diversity with both vertical and horizontal polarization components. This gives the antenna diversity, frequency agility, low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications.

The industry standard NMO mounting socket mates with all ANTENEX® Magnetic, Trunk lid, and hole mounts. We also provide a threaded stud mount model for vandal resistant mounting on brackets, panels, ceilings or any other kind of housing.

The Phantom® patented technology is beneficial when high performance is desired and extreme ruggedness and low profile is required.



Indoor Enhancement



Wireless Data Collection

Product Courtesy of Gastronics, Inc.



PCS



Vending

The ANTENEX® Phantom® Antennas are Ideal for Vending, Data, Mobile Transit, and PCS Applications.



TRA8063P Permanent Mount



TRA8063



TRAB8063



TRA4503



TRAB4503

Custom Tuning Available on Phantom® models for only \$10.00

Ordering Guide - Clear, Easy & Sensible!

TRA9023 = Phantom® Antenna Model, White, 902-928 MHz, 3 dB-MEG.

TRA	Antenna Style	Phantom® Low-Profile Transit Antenna		
Blank	Finish	Blank = White B = Black		
902	Frequency	Frequency component of part number in bold below: 142-164 150-174 210-230 410-430 430-450 450-470 470-490 806-866 821-896 890-960 902-928 2400-2500		
3	Gain	0 = Unity 3 = 3 dB-MEG		
Blank	Mount	Blank = Normal Model N = No Ground Plane Model		
Blank	Mount Option	Blank = 3/4" Screw Base P = Permanent Hole Mount		



US Patent Number: 5,977,931

WHITE MODELS

Model	Frequency Range	Radome Height	Gain	MSRP
VHF UNITY MODELS				
TRA1420	142-164 MHz	3.30"	Unity	72.00
TRA1500	150-174 MHz	2.75"	Unity	72.00
TRA2100	210-230 MHz	2.75"	Unity	72.00
UHF 3 dB-MEG MODELS				
TRA4103	410-430 MHz	3.30"	3 dB-MEG*	41.08
TRA4303	430-450 MHz	3.30"	3 dB-MEG*	41.08
TRA4503	450-470 MHz	3.30"	3 dB-MEG*	41.08
TRA4703	470-490 MHz	3.30"	3 dB-MEG*	41.08
800 MHz to 2.4 GHz 3 dB-MEG MODELS				
TRA8063	806-866 MHz	2.30"	3 dB-MEG*	38.70
TRA8213	821-896 MHz	2.30"	3 dB-MEG*	38.70
TRA8903	890-960 MHz	2.30"	3 dB-MEG*	38.70
TRA9023	902-928 MHz	2.30"	3 dB-MEG*	38.70
TRA24003	2400-2500 MHz	2.30"	3 dB-MEG*	38.70

900 MHz to 2.4 GHz NGP 3 dB-MEG MODELS

TRA9023N	902-928 MHz	3.30"	3 dB-MEG*	41.08
TRA24003N	2400-2500 MHz	3.30"	3 dB-MEG*	41.08

UHF PERMANENT 3 dB-MEG MODELS

TRA4303P	430-450 MHz	3.30"	3 dB-MEG*	55.63
TRA4503P	450-470 MHz	3.30"	3 dB-MEG*	55.63
TRA4703P	470-490 MHz	3.30"	3 dB-MEG*	55.63

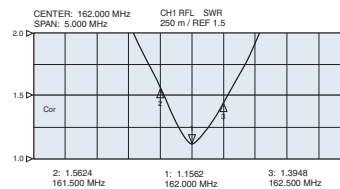
800 MHz to 2.4 GHz PERMANENT 3 dB-MEG MODELS

TRA8063P	806-866 MHz	2.30"	3 dB-MEG*	55.63
TRA8213P	821-896 MHz	2.30"	3 dB-MEG*	55.63
TRA24003P	2400-2500 MHz	2.30"	3 dB-MEG*	55.63

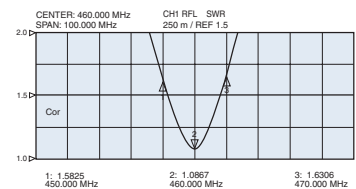
900 MHz to 2.4 GHz PERMANENT NGP 3 dB-MEG MODELS

TRA9023NP	902-928 MHz	3.30"	3 dB-MEG*	56.16
TRA24003NP	2400-2500 MHz	3.30"	3 dB-MEG*	56.16

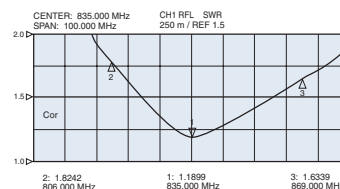
VSWR



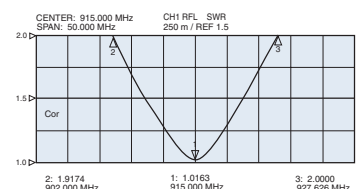
TRA1500



TRA4503



TRA8063



TRA9023N

BLACK MODELS

Model	Frequency Range	Radome Height	Gain	MSRP
VHF UNITY BLACK MODELS				
TRAB1420	142-164 MHz	3.30"	Unity	72.00
TRAB1500	150-174 MHz	2.75"	Unity	72.00
TRAB2100	210-230 MHz	2.75"	Unity	72.00

UHF 3 dB-MEG BLACK MODELS

TRAB4103	410-430 MHz	3.30"	3 dB-MEG*	41.08
TRAB4303	430-450 MHz	3.30"	3 dB-MEG*	41.08
TRAB4503	450-470 MHz	3.30"	3 dB-MEG*	41.08
TRAB4703	470-490 MHz	3.30"	3 dB-MEG*	41.08

800 MHz to 2.4 GHz 3 dB-MEG BLACK MODELS

TRAB8063	806-866 MHz	2.30"	3 dB-MEG*	38.70
TRAB8213	821-896 MHz	2.30"	3 dB-MEG*	38.70
TRAB8903	890-960 MHz	2.30"	3 dB-MEG*	38.70
TRAB9023	902-928 MHz	2.30"	3 dB-MEG*	38.70
TRAB24003	2400-2500 MHz	2.30"	3 dB-MEG*	38.70

900 MHz to 2.4 GHz NGP 3 dB-MEG BLACK MODELS

TRAB9023N	902-928 MHz	3.30"	3 dB-MEG*	41.08
TRAB24003N	2400-2500 MHz	3.30"	3 dB-MEG*	41.08

UHF PERMANENT 3 dB-MEG BLACK MODELS

TRAB4303P	430-450 MHz	3.30"	3 dB-MEG*	55.63
TRAB4503P	450-470 MHz	3.30"	3 dB-MEG*	55.63
TRAB4703P	470-490 MHz	3.30"	3 dB-MEG*	55.63

800 MHz to 2.4 GHz 3 dB-MEG BLACK MODELS

TRAB8063P	806-866 MHz	2.30"	3 dB-MEG*	55.63
TRAB8213P	821-896 MHz	2.30"	3 dB-MEG*	55.63
TRAB24003P	2400-2500 MHz	2.30"	3 dB-MEG*	55.63

900 MHz to 2.4 GHz NGP 3 dB-MEG BLACK MODELS

TRAB9023NP	902-928 MHz	3.30"	3 dB-MEG*	56.16
TRAB24003NP	2400-2500 MHz	3.30"	3 dB-MEG*	56.16

*Gain on a Phantom® antenna is measured in db-MEG.

For more information on dB-MEG, visit our website at <http://www.antenex.com>.

Features & Benefits

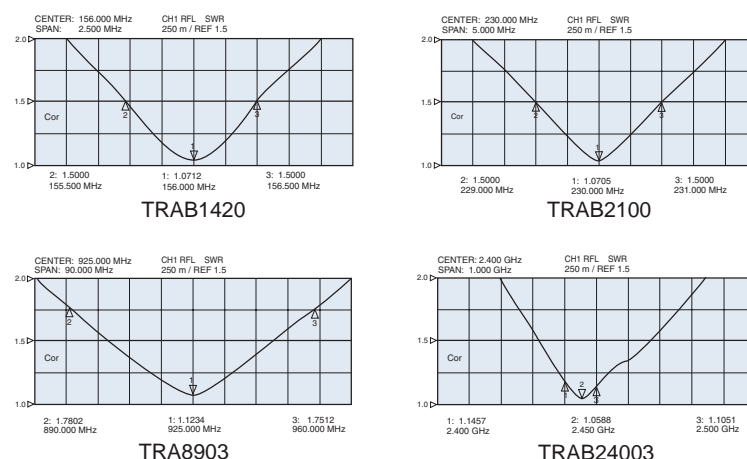
Whipless Design: The patented whipless design of our Phantom® antenna allows car washes without removing the antenna. Whipless means they don't look like antennas, attract less attention, less vandalism, and have lower wind resistance. The Phantom® is also less susceptible to damage by trees, garages or other obstructions.

Field Diversity: Field diversity means that the antenna is simultaneously sensitive to both the electric and magnetic fields of the signal, like having two antennas. Field diversity makes the antenna resistant to the picket-fence fading and multipath nulls that are found in urban operation and undulating mobile environments.

Permanent Mounting: Permanent mount versions of the UHF and higher frequency models are available for high risk applications such as metering where antennas must resist vandalism and achieve economical mounting.

Versatile: Excellent for voice or telemetry applications.

VSWR

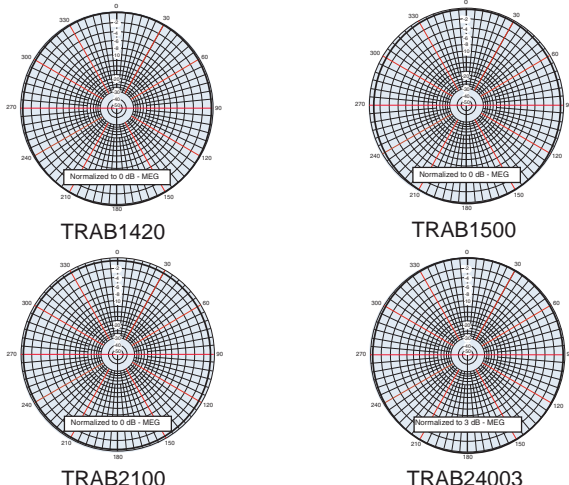


Phantom® Cutaway



TRAB1420 VHF Field Tunable with Easy Tuning Port

Horizontal Field Patterns



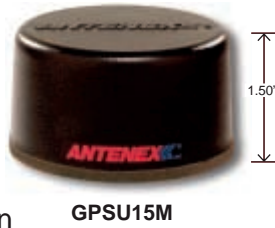
Technical Data - Product Features & Information

<ul style="list-style-type: none"> Gain: Unity Frequency Range: 142-164 MHz VSWR: <1.5:1 850 kHz Maximum Power: 100 watts Bandwidth: 1.5 MHz Impedance: 50 ohms Height: 3 1/2" / 2 3/4" 	<ul style="list-style-type: none"> 142-174 MHz Unity 150-174 MHz <1.5:1 2.2 MHz 100 watts 4 MHz 50 ohms 2 3/4" 	<ul style="list-style-type: none"> 210-230 MHz Unity 210-230 MHz <2.0:1 4.0 MHz 100 watts 50 ohms 2 3/4"
<ul style="list-style-type: none"> Gain: 3 dB-MEG Frequency Range: 410-430 MHz VSWR: <1.5:1 10 MHz Maximum Power: 150 watts Bandwidth: >20 MHz Impedance: 50 ohms Height: 3 1/2" 	<ul style="list-style-type: none"> 410-430 MHz 3 dB-MEG 430-450 MHz 450-470 MHz 470-490 MHz <2.0:1 20 MHz 150 watts >20 MHz 50 ohms 3 1/2" 	<ul style="list-style-type: none"> 800-900 MHz 3 dB-MEG 806-866 MHz 821-896 MHz 890-960 MHz 902-928 MHz <1.8:1 170 MHz 150 watts 100 watts NGP >70 MHz 50 ohms 2 1/2"
<ul style="list-style-type: none"> Gain: 3 dB-MEG Frequency Range: 2400-2500 MHz VSWR: <1.5:1 100 MHz Maximum Power: 100 watts Bandwidth: >100 MHz Impedance: 50 ohms Height: 3 1/2" 	<ul style="list-style-type: none"> 2400 MHz 3 dB-MEG 2400-2500 MHz <1.5:1 100 MHz 100 watts >100 MHz 50 ohms 3 1/2" 	<ul style="list-style-type: none"> 2400 MHz 3 dB-MEG 2400-2500 MHz <1.5:1 100 MHz 100 watts >100 MHz 50 ohms 3 1/2"

GPS[™] Antenna *The Rugged GPS Antenna*

GPS[™] NMO

- NMO Mountable - Installs Easily
- Small Size - 1½ Inches Tall & 2⅝ inches in Diameter!
- Gold Plated Pushpin Contact
- Optimized Microstrip-to-NMO Design



GPS[™] / Phantom[®] Dual Band

Dual Band GPS[™] / Phantom[®]

- Low Profile
- Dual Band-GPS with 450, 800, 900 MHz
- Phantom[®] Element for Field Diversity
- Optimized Mutual Coupling Design

The Survivor GPS[™]

- Dual Band GPS/VHF
- Internally Potted
- Designed for Heavy Equipment
- Heavy Duty Spring
- Ideal for ORBCOMM[®] Applications



The Survivor GPSDVHF



GPSU15BNC

Utility GPS[™]

- Low Profile
- Magnetic or Self Adhesive Base
- 14' RG174 Thin Coax Cable

The Micro GPS[™] Family

- Trunk Mount with NMO Mount
- Low Profile
- Add-on Bracket for NMO Mount



Add any Antenex NMO Style Antenna to a Trunk Mountable GPS^x system.

Ordering Guide - Clear, Easy & Sensible!

GPSU15GBNC = GPS[™] Utility Antenna, Magnetic Base, BNC Male.

GPSU	Antenna Style	GPSU = Utility GPS Discaduo Housing GPSM = Micro GPS
15	Frequency	1575.42 MHz, Standard GPS Frequency.
G	Mount Style	Blank = Self Adhesive Mount G = Magnetic Mount M = ¼ Mount
BNC	Connector Style	BNC = BNC Male SMA = SMA Threaded Male SMB = SMB Snap-in Female TNC = TNC

Model	Description	MSRP
GPS NMO MOUNTABLE		
GPSU15M	NMO GPS Mobile Antenna	150.00
DUAL BAND GPS		
GPSDVHF	Dual Band GPS-VHF Survivor [™]	250.00
GPSD4503P	Dual Band GPS-UHF Survivor [™]	200.00
GPSD8063P	Dual Band GPS-800 Survivor [™]	225.00
GPSD9023P	Dual Band GPS-900 Survivor [™]	200.00

Model	Connector Style	Cable Type	MSRP
TRUNK MOUNT GPS MODELS			
TM8GPS	Trunk Mount With GPS		156.00
TMB8GPS	Black Trunk Mount With GPS		166.00

Model	Connector Style	Cable Type	MSRP
UTILITY GPS ANTENNA SELF ADHESIVE BASE			
GPSU15BNC	BNC	14' RG174/U	138.54
GPSU15SMA	SMA	14' RG174/U	138.54
GPSU15SMB	SMB	14' RG174/U	140.54
GPSU15TNC	TNC	14' RG174/U	138.54

Model	Connector Style	Cable Type	MSRP
UTILITY GPS ANTENNA MAGNETIC BASE			
GPSU15GBNC	BNC	14' RG174/U	143.54
GPSU15GSMA	SMA	14' RG174/U	143.54

Model	Connector Style	Cable Type	MSRP
MICRO GPS ANTENNA MAGNETIC BASE			
GPSM15GBNC	BNC	16' RG174/U	135.41
GPSM15GSMA	SMA	16' RG174/U	135.41
GPSM15GSMB	SMB	16' RG174/U	137.41
GPSM15GTNC	TNC	16' RG174/U	135.41

Model	Description	MSRP
GPS ADD ON BRACKET		
GPSNMOAO	Bright Stainless Bracket with GPS	110.40
GPSBNMOAO	Black Stainless Bracket with GPS	115.40

Technical Data - Product Features & Information

GPS Patch Antenna

- **VSWR:** 2:1 Typical @ 1575.42 MHz
- **Operating Temperature:** -40° to 85° C
- **Polarization:** Right Hand Circular
- **Antenna Description:** Active Ceramic
- **Azimuth Coverage:** 360°
- **Impedance:** 50 ohms
- **Elevation Coverage:** 0° - 90°
- **Operating Voltage:** 5.0 Vdc +/- .20 Vdc
- **LNA Gain (GPS Band):** 27 dB typical @ .25ma current
- **Cellular Filtering:** -24 dB
- **Antenna Height:** GPSM = 5/8", GPSU = 9/16"
- **Operating Frequency:** 1575.42 MHz

Features & Benefits

- No Tuning Required
- Removable Rod For Carwash
- Easy Installation- No Rod Trimming!
- Faster Installations - Increased Profits
- Gold-plated Push Pin Contact For Better Power Transfer
- O-ring Inserted on the Coil Bottom - Better Moisture Seal
- A Solid State Miracle. The Only One of its Kind in the World
- FedEx/UPS Shippable

This antenna self-tunes. There is no need to trim the whip!

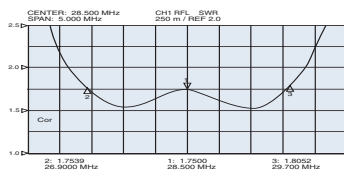


Removable Rod

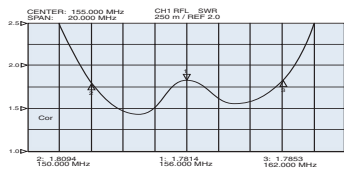


Gold Contact

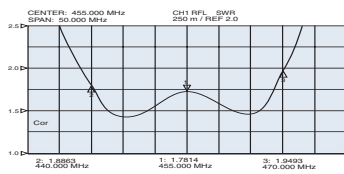
VSWR



CW27



CW1503



CW4405C



CW4405C



CW27



CW1503

Cutaways of Genesis™ Models

Ordering Guide - Clear, Easy & Sensible!

CWB4405CS = GENESIS™ Wide-Band Mobile Model, Black Chrome Finish, 440-470 MHz, 5 dB, Closed Phasing Coil, with Shock Spring.

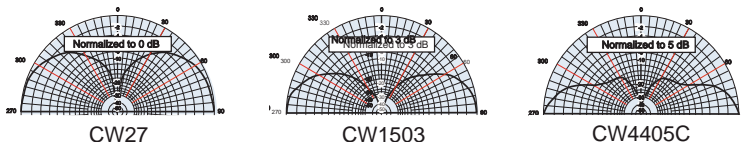
CW	Antenna Style	CW = GENESIS Wide Band™ Model
B	Finish	Blank = Chrome B = Black
440	Frequency	Frequency component of part number in bold below: 27-28 30-34 34-40 37-46 42-48 132-174 144-156 150-162 153-169 162-174 406-430 440-470
5	Gain	Blank = Unity (Lowband Models) 0 = Unity 3 = 3 dB 5 = 5 dB
C	Phasing Coil	Blank = Straight Rod C = Closed Phasing Coil (collinear radiator only)
S	Spring Option	S = Spring Option

US Patent Number: 5,604,507. International Patents Pending.

Model	Frequency	Radiator	Whip Length	MSRP
LOWBAND WIDEBAND UNITY MODELS				
CW27	26.8-29.7 MHz	Base Loaded 1/4 Wave	64"	63.91
CW30	30-34 MHz	Base Loaded 1/4 Wave	60"	63.91
CW34	34-40 MHz	Base Loaded 1/4 Wave	62½"	63.91
CW37	37-46 MHz	Base Loaded 1/4 Wave	57½"	63.91
CW42	42-48 MHz	Base Loaded 1/4 Wave	51½"	63.91
VHF WIDEBAND UNITY MODEL				
CW1320	132-174 MHz	End Fed 1/4 Wave	15¼"	44.60
VHF WIDEBAND 3 dB MODELS				
CW1443	144-156 MHz	Base Loaded 5/8 Wave	47"	56.61
CW1503	150-162 MHz	Base Loaded 5/8 Wave	45"	56.61
CW1533	153-169 MHz	Base Loaded 5/8 Wave	46"	56.61
CW1623	162-174 MHz	Base Loaded 5/8 Wave	41"	56.61
UHF WIDEBAND 5 dB MODELS				
CW4065C	406-430 MHz	Closed Coil Collinear	34 1/8"	57.42
CW4405C	440-470 MHz	Closed Coil Collinear	32 1/8"	57.42
Model	Description			MSRP
S	Shock Spring for B and C Coils			10.36
SB	Black Chrome Shock Spring for B & C Coils			16.90

All whip lengths are valid for models before adding a spring. Add "S" to the end of the part number to receive spring on coil. Models with whips longer than 49" are not available in black.

Vertical Field Patterns



Technical Data - Product Features & Information

	LOWBAND	VHF	UHF
• Gain:	Unity	3 dB	5 dB
• VSWR (across band):	2.0:1 or better	2.0:1 or better	2.0:1 or better
• Maximum Power:	200 watts	200 watts	200 watts
• Bandwidth:	Exceeds 10% @ 1.8:1 VSWR	Exceeds 10% @ 1.8:1 VSWR	Exceeds 10% @ 1.8:1 VSWR
• Impedance:	50 ohms	50 ohms	50 ohms
• Mounts to:	DC Continuity	DC Continuity	DC Continuity
	3/4" hole, 3/8" hole, Magnetic & Mini-Trunk Mounts		

Mobile Load Coil Antennas - Lowband, VHF, UHF, 800MHz & 900MHz

Our mobile antennas are designed and built for demanding applications. They have proven themselves to outlast the cars they are mounted on. Each model is permanently marked for model and frequency. **ANTENEX**® mobiles are used extensively on municipal vehicles, in off road racing, on industrial vehicles, taxi cabs and other high endurance applications such as police cruisers, emergency vehicles, and forestry service vehicles. The detailed attention given to the manufacture and design of our coils and coil housings ensure that they will last for years. We manufacture over 100 variations. Our no ground plane antennas give you the flexibility you need in any mounting application, while our dual band and wide band models allow you to get full value out of today's advanced radios. If you cannot find the right **ANTENEX**® product for your mobile application, please contact us for pricing and availability.



Model Frequency Gain Whip Style MSRP

Model	Frequency	Gain	Whip Style	MSRP
C27	26-28 MHz	Unity	49" Tapered	39.54
C30	30-35 MHz	Unity	49" Tapered	39.54
C34	34-37 MHz	Unity	49" Tapered	39.54
C37	37-40 MHz	Unity	49" Tapered	39.54
C40	40-47 MHz	Unity	49" Tapered	39.54
C47	47-50 MHz	Unity	49" Tapered	39.54

VHF 1/4 WAVE MODELS

B66	66-174 MHz	Unity	49" Tapered	33.30
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VHF 1/4 WAVE BROADBAND MODELS

B132	132-928 MHz	Unity	21" Straight	26.00
B132S	132-525 MHz	Unity	21" Straight	36.17

VHF 5/8 WAVE BROADBAND MODELS

B1323	132-174 MHz	3 dB	55" Tapered	37.61
B1443	144-174 MHz	3 dB	49" Tapered	36.30
B2003	200-250 MHz	3 dB	33" Straight	36.30
B2503	250-280 MHz	3 dB	24 1/2" Straight	36.30

VHF NO GROUND PLANE BASE LOADED 1/2 WAVE MODELS

B1322N	132-174 MHz	2.4 dB	55" Tapered	36.30
B1442N	144-174 MHz	2.4 dB	49" Tapered	36.30
B2002N	200-225 MHz	2.4 dB	29 1/2" Straight	36.30

UHF 5/8 WAVE MODELS

B4063	406-430 MHz	3 dB	13" Straight	31.50
B4303	430-450 MHz	3 dB	11 13/16" Straight	31.50
B4503	450-470 MHz	3 dB	11" Straight	31.50
B4703	470-490 MHz	3 dB	10 11/16" Straight	31.50
B4903	490-512 MHz	3 dB	10 1/2" Straight	31.50

Ordering Guide - Clear, Easy & Sensible!

B4505CNS = Medium Black Base, 450-470 MHz, 5 dB, Closed Phasing Coil, No Ground Plane Design, with Shock Spring.

B	Antenna Style	B = Medium Base C = Tall Base																								
B	Finish	Blank = Chrome B = Black Finish W = White Housing																								
450	Frequency	Frequency component of part number in bold below: <table border="1"> <tbody> <tr> <td>26-28</td> <td>30-35</td> <td>34-37</td> <td>37-40</td> </tr> <tr> <td>40-47</td> <td>47-50</td> <td>66-174</td> <td>132-525</td> </tr> <tr> <td>132-174</td> <td>132-928</td> <td>144-174</td> <td>200-225</td> </tr> <tr> <td>200-250</td> <td>250-280</td> <td>406-430</td> <td>430-450</td> </tr> <tr> <td>450-470</td> <td>470-490</td> <td>490-512</td> <td>806-866</td> </tr> <tr> <td>896-970</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	26-28	30-35	34-37	37-40	40-47	47-50	66-174	132-525	132-174	132-928	144-174	200-225	200-250	250-280	406-430	430-450	450-470	470-490	490-512	806-866	896-970			
26-28	30-35	34-37	37-40																							
40-47	47-50	66-174	132-525																							
132-174	132-928	144-174	200-225																							
200-250	250-280	406-430	430-450																							
450-470	470-490	490-512	806-866																							
896-970																										
5	Gain	Blank = Unity 3 = 3 dB 2 = 2.4 dB 5 = 5 dB																								
C	Phasing Coil	Blank = Straight or Tapered Rod C = Closed Phasing Coil (collinear radiator only)																								
N	Ground Plane	Blank = Ground Plane required N = No Ground Plane required																								
S	Spring Option	S = Spring Option																								

All coils are tuned on a network analyzer before packaging to assure proper performance.

Model	Frequency	Gain	Whip Style	MSRP
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UHF CLOSED COIL COLLINEAR MODELS

B4065C	406-430 MHz	5 dB	37 3/8" Collinear	39.24
B4305C	430-450 MHz	5 dB	34 1/8" Collinear	39.24
B4505C	450-470 MHz	5 dB	32 3/4" Collinear	39.24
B4705C	470-490 MHz	5 dB	31 1/4" Collinear	39.24
B4905C	490-512 MHz	5 dB	29 1/8" Collinear	39.24

UHF NO GROUND PLANE BASE LOADED 1/2 WAVE MODELS

B4302N	430-450 MHz	2.4 dB	10 5/8" Straight	32.46
B4502N	450-470 MHz	2.4 dB	10 5/16" Straight	32.46

UHF NO GROUND PLANE CLOSED COIL COLLINEAR MODELS

B4065CN	406-430 MHz	5 dB	34 1/8" Collinear	46.87
B4305CN	430-450 MHz	5 dB	32 7/8" Collinear	46.87
B4505CN	450-470 MHz	5 dB	30 1/2" Collinear	46.87
B4705CN	470-490 MHz	5 dB	28 7/16" Collinear	46.87
B4905CN	490-512 MHz	5 dB	27 1/8" Collinear	46.87

800 MHz BASE LOADED 5/8 WAVE MODELS

B8063	806-866 MHz	3 dB	4 7/8" Straight	26.88
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800/900 MHz BASE LOADED CLOSED COLLINEAR MODELS

B8065C	806-866 MHz	5 dB	16" Collinear	42.51
B8965C	896-970 MHz	5 dB	13 3/4" Collinear	42.51

800 MHz NO GROUND PLANE BASE LOADED 1/2 WAVE MODELS

B8062N	806-866 MHz	2.4 dB	4 7/8" Straight	30.08
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800/900 MHz NO GROUND PLANE CLOSED COLLINEAR MODELS

B8065CN	806-866 MHz	5 dB	16" Collinear	49.28
B8965CN	896-970 MHz	5 dB	13 3/4" Collinear	49.28

Model	Description	MSRP
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SPRING OPTION ACCESSORY

S	Shock Spring for B and C Coils	10.36
SB	Black Chrome Shock Spring for B & C Coils	16.90

BLACK CHROME FINISH OPTION

B	Black LowBand, VHF, UHF or 800/900 MHz	12.50
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MOBILE TO BASE CONVERTERS

MBC	Mobile-to-Base Conv. for VHF, UHF w/ SO239	30.90
MBCN	Mobile-to-Base Conv. for VHF, UHF w/ N Term.	30.90
MBC800	Mobile-to-Base Conv. for 800/900 MHz w/ N	30.90

Add "S" to the end of the part number to receive a coil with spring.

Add a "B" to the part number to indicate black finish.

See the Ordering Guide above for details.

800/900 MHz models are not available with a spring.

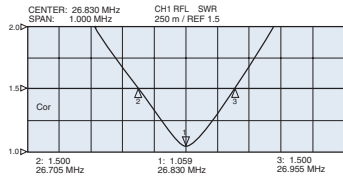
Models with whips >49" are not available in black but may be painted upon installation.

Features & Benefits

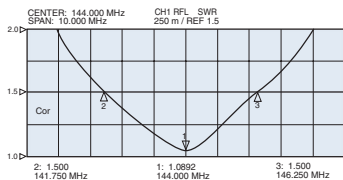
- Triple Chrome Plated Rod Ferrules & Bushings
- Three Dimensional Coil Form
- Silver Soldered Contacts
- 17-7 ph Stainless Whip
- Gold Push Pin Contact
- O-ring in the Base

**Custom
Tuning
Available.
Only \$10.00**

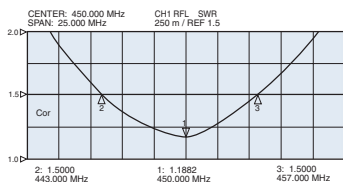
VSWR



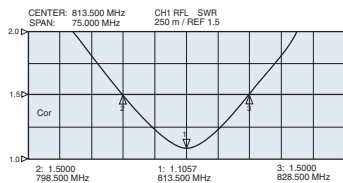
C27



B1443



B4505C



B8065C



Removable Rod



Gold Contact
Lifetime Product Identification



CB27

BW1443

BB1443S

BB4505C

BB8063



B1443

B4505C

C27

Technical Data - Product Features & Information

- **Gain:** See model.
- **Frequency Range:** See model.
- **VSWR:** <1.5:1 unless otherwise noted, <2:1 for Lowband.
- **Maximum Power:** All models - 200 watts.
- **Bandwidth:** See representative VSWR plot.
- **Impedance:** 50 ohms.
- **Tuning:** Models are shipped at the lowest frequency in the range. Custom factory tuning is available.
- **Mounting Base:** Molded high heat ABS with copper, nickel, brite or black chrome solid brass inserts.
- **Radiator:** 17-7ph tapered stainless steel whip or 17-7ph straight stainless steel collinear with a centerless ground finish or black chrome plate.
- **Coil Form:** 3 dimensional precision machined delrin.[®]
- **Phasing Coils:** Silver plated tempered brass.
- **Contacts:** Gold plated push pin.
- **Mounts to:** 3/4", 3/8", Magnetic and Mini-Trunk mounts.
- **Quality Assurance:** 100% tested on a network analyzer.

A-Base Antennas *Quarterwave, Collinear and Broad Band*

The **ANTENEX**® “A-Base” style antenna offers a durable mounting chassis that supports a wide range of rod styles, frequencies, and gain choices. The “A-Base” features a rugged ABS body with insert molded threaded ring and a triple-chrome plated ferrule. The base contact is a highly reliable gold plated push pin design.



Model	Frequency	Gain	Radiator	MSRP
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RUGGED BROADBAND QUARTERWAVE MODELS

Chrome Models

AFT	118-896 MHz	Unity	0.100" Dia. 1/4 Wave	18.03
A150	150-174 MHz	Unity	0.100" Dia. 1/4 Wave	18.03
A450	450-470 MHz	Unity	0.100" Dia. 1/4 Wave	18.03
A800	800-896 MHz	Unity	0.100" Dia. 1/4 Wave	18.03
Axxx	Factory Tuned (xxx = center frequency)			23.18
Chrome Models With Spring add.				9.79

Black Models

ABFT	118-896 MHz	Unity	0.100" Dia. 1/4 Wave	22.15
AB150	150-174 MHz	Unity	0.100" Dia. 1/4 Wave	22.15
AB450	450-470 MHz	Unity	0.100" Dia. 1/4 Wave	22.15
AB800	800-896 MHz	Unity	0.100" Dia. 1/4 Wave	22.15
ABxxx	Factory Tuned (xxx = center frequency)			27.30
Black Models With Spring add.				15.97

UHF COLLINEARS

Chrome Models

A4503	450-470 MHz	3.5 dB	Open Collinear	27.81
A4503C	450-470 MHz	3.5 dB	Closed Collinear	29.87
Chrome Models With Spring add.				9.79

Black Models

AB4503	450-470 MHz	3.5 dB	Open Collinear	31.93
AB4503C	450-470 MHz	3.5 dB	Closed Collinear	33.99
Black Models With Spring add.				15.97

Ordering Guide - Clear, Easy & Sensible!

AB4503CS = Low Profile Base, Black, 450-470 MHz, 3.5 dB, Closed Coil, Spring.

A	Antenna Style	A = Low Profile Base
B	Finish	Blank = Chrome Finish B = Black Finish
450	Frequency	Frequency component of part number in bold below: xxx = Specify Center Frequency, FT = Field Tunable 118-896 150-174 450-470 806-896 896-970
3	Gain	0 = Unity Gain 3 = 3 dB or 3.5 dB 5 = 5 dB
C	Coil Option	Blank = Straight Rod or Open coil C = Closed Phasing Coil CT = Closed Trilinear Phasing Coil
S	Spring Option	S = Spring Option

Model	Frequency	Gain	Radiator	MSRP
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800/900 MHz ANTENNAS

Chrome Models

A8063	806-896 MHz	3 dB	Open Collinear	23.18
A8963	896-970 MHz	3 dB	Open Collinear	23.18
A8063C	806-896 MHz	3.5 dB	Closed Collinear	27.79
A8065CT	806-896 MHz	5 dB	Closed Trilinear	34.31

Black Models

AB8063	806-896 MHz	3 dB	Open Collinear	36.05
AB8963	896-970 MHz	3 dB	Open Collinear	36.05
AB8063C	806-896 MHz	3.5 dB	Closed Collinear	40.66
AB8065CT	806-896 MHz	5 dB	Closed Trilinear	47.18

800 MHz ANTENNAS WITH SPRING

Chrome Models

A8063S	806-896 MHz	3 dB	Open Collinear	32.96
A8063CS	806-896 MHz	3.5 dB	Closed Collinear	37.57
A8065CTS	806-896 MHz	5 dB	Closed Trilinear	44.09

Black Models

AB8063S	806-896 MHz	3 dB	Open Collinear	51.76
AB8063CS	806-896 MHz	3.5 dB	Closed Collinear	56.63
AB8065CTS	806-896 MHz	5 dB	Closed Trilinear	63.15

Model	Description	MSRP
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SPRINGS

AS	Low Profile Base Chrome Spring w/Key & Set Screw	9.79
ASB	Low Profile Base Black Spring w/Key & Set Screw	15.97

Technical Data - Product Features & Information

- **Gain:** See model.
- **Frequency Range:** See model.
- **VSWR:** <1.5:1
- **Maximum Power:** 200 watts
- **Bandwidth:** VHF - up to 25 MHz (with spring), UHF/800/900 - 100 MHz+
- **Impedance:** 50 ohms
- **Mounting Base:** High temperature molded ABS with threaded brass insert.
- **Radiator:** Type 302 stainless steel with a brite or black chrome plate finish for .062" diameter rods. 17-7ph stainless steel with a centerless ground finish or black chrome plate for all other models.
- **Brass Fittings:** Highly polished brite or black chrome plated ferrule
- **Contacts:** Gold plated push pin contact on A style.

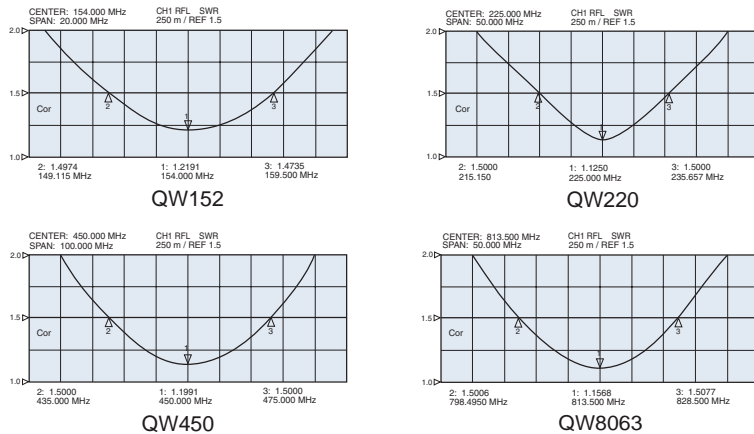
Quarterwave Antennas Brass Contact



Even our least expensive mobile antennas receive the most detailed attention. Both quarterwaves and 3 dB models feature a brass button contact and heavy duty specially formulated Stand-Up™ grommets that last longer and stay straighter. For any mobile application, you can be sure that **ANTENEX®** has a feature packed solution for you.



VSWR



Technical Data - Product Features & Information

- **Gain:** Unity for 1/4 wave antennas and 3 dB for open coil flexible models.
- **Frequency Range:** See model.
- **VSWR:** <2.0:1
- **Maximum Power:** 200 watts
- **Bandwidth @2.0:1:** QW152 - 18 MHz QW450 - 80 MHz
QW800 - 150 MHz QW8253 - 40 MHz
- **Impedance:** 50 ohms
- **Tuning:** Mid-band is standard. Custom tuning is available.
- **Mounting Base:** Brite or black chrome plated brass locking nut.
Type 302 stainless steel. Electropolished or black chrome plate on quarterwaves.
- **Radiator:** Brite finish or black chrome plate on quarterwaves.
Brass button.
- **Contact:** Brass button.
- **Mounts to:** 3/4" hole, 3/8" hole, Magnetic & Mini-Trunk mounts.

Ordering Guide - Clear, Easy & Sensible!

QWB8253 = Chrome Locking Nut Style, Black, 825-896 MHz, 3 dB.

QW	Antenna Style	QW = Chrome locking nut style Antennas
		Q = Full length Quarterwave
B	Finish	Blank = Chrome Finish
		B = Black Finish
825	Frequency	Frequency component of part number in bold below:
		FT (118-970) 27-54 136-144 144-152
		152-162 162-174 220-225 406-430
		430-450 450-470 470-490 490-512
		806-866 806-896 825-896 896-970
3	Gain	Blank = Unity
		3 = 3 dB

Model	Frequency	Radiator	MSRP
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UNITY GAIN MODELS

Stainless Models

Q27S	27-54 MHz	102" 1/4 Wave	104.97
QW***	Customer Specified	1/4 Wave	13.25
QW136	136-144 MHz	1/4 Wave	8.25
QW144	144-152 MHz	1/4 Wave	8.25
QW152	152-162 MHz	1/4 Wave	8.25
QW162	162-174 MHz	1/4 Wave	8.25
QW220	220-225 MHz	1/4 Wave	8.25
QW406	406-430 MHz	1/4 Wave	8.25
QW430	430-450 MHz	1/4 Wave	8.25
QW450	450-470 MHz	1/4 Wave	8.25
QW470	470-490 MHz	1/4 Wave	8.25
QW490	490-512 MHz	1/4 Wave	8.25
QW800	806-896 MHz	1/4 Wave	8.25
QW900	896-970 MHz	1/4 Wave	8.25
QWFT120	Field Tunable	1/4 Wave	9.90

Black Models

QWB***	Customer Specified	1/4 Wave	19.75
QWB136	136-144 MHz	1/4 Wave	14.75
QWB144	144-152 MHz	1/4 Wave	14.75
QWB152	152-162 MHz	1/4 Wave	14.75
QWB162	162-174 MHz	1/4 Wave	14.75
QWB220	220-225 MHz	1/4 Wave	14.75
QWB406	406-430 MHz	1/4 Wave	14.75
QWB430	430-450 MHz	1/4 Wave	14.75
QWB450	450-470 MHz	1/4 Wave	14.75
QWB470	470-490 MHz	1/4 Wave	14.75
QWB490	490-512 MHz	1/4 Wave	14.75
QWB800	806-896 MHz	1/4 Wave	14.75
QWB900	896-970 MHz	1/4 Wave	14.75
QWFTB120	Field Tunable	1/4 Wave	16.40

3 dB GAIN MODELS

Stainless Models

QW8063	806-866 MHz	Open Coil Flexible	12.72
QW8253	825-896 MHz	Open Coil Flexible	12.72
QW8963	896-970 MHz	Open Coil Flexible	12.72

Black Models

QWB8063	806-866 MHz	Open Coil Flexible	19.22
QWB8253	825-896 MHz	Open Coil Flexible	19.22
QWB8963	896-970 MHz	Open Coil Flexible	19.22

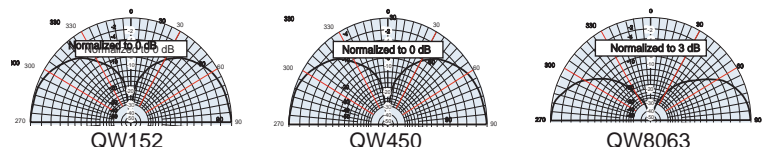
Model	Description	MSRP
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ACCESSORIES

QWNUT	Quarterwave Nut	3.98
QWNUTB	Quarterwave Nut Black	4.38
QWRC	Quarterwave Rain Cap	3.29
QWRCB	Quarterwave Rain Cap Black	4.48

See pages 32-37 for mounting options!

Vertical Field Patterns



Elevated Feed Point & 5/16 Stud Mount Antennas

ANTENEX® elevated feed antennas are ideal when you want a good radiation pattern from your antenna but have a poor mounting location or a non-conductive mounting surface. The elevated feed style antenna typically mounts on the trunk of a vehicle while still allowing the radiating element to “look” over the roof line, luggage or ladder rack. Utilizing an internal circuit board counterpoise and transmission line, this antenna is one of the most durable in the industry.

ANTENEX® a stud mount antennas are available where a high quality replacement is required in an existing stud mount installation. These antennas can also be used in new installations where stud mount is the mount of choice

Ordering Guide - Clear, Easy & Sensible!

EB8063C = Elevated Feed in Black, 806-896 MHz, 3 dB, Closed Phasing Coil.

E	Antenna Style	E = Elevated Feed
B	Finish	Blank = Chrome Finish B = Black Finish
806	Frequency	Frequency component of part number in bold below: 450-470 806-896 896-970
3	Gain	3 = 3 dB Gain 5 = 5 dB Gain
C	Coil	Blank = Open Phasing Coil C = Closed Phasing Coil

Model	Frequency	Gain	Phasing Coil	MSRP
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800/900 3 dB & 5 dB GAIN ELEVATED FEED POINT ANTENNAS

Chrome Models

E8063	806-896 MHz	3 dB	Open	78.65
E8063C	806-896 MHz	3 dB	Closed	86.90
E8065C	806-896 MHz	5 dB	Closed	90.20

Black Models

EB8063	806-896 MHz	3 dB	Open	86.35
EB8063C	806-896 MHz	3 dB	Closed	94.60
EB8065C	806-896 MHz	5 dB	Closed	103.40
EB8965C	896-970 MHz	5 dB	Closed	103.40

UHF 3 dB GAIN ELEVATED FEED POINT ANTENNAS

Black Models

EB4503C	450-470 MHz	3 dB	Closed	92.40
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Model	Description	MSRP
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STUD MOUNTS

LO	Mount only, No Cable or Connector	6.88
L8	Mount with No Connector	15.40
L8U	Mount with No Connector	15.40

Model	Frequency	Gain	Radiator	MSRP
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STUD MOUNT ANTENNAS

Chrome Models

L118	118-512 MHz	Unity	0.100" Dia. 1/4 Wave	6.88
L152	152-162 MHz	Unity	0.100" Dia. 1/4 Wave	6.88
L1443	144-174 MHz	3 dB	Tapered 5/8 Wave	38.30
L8063C	806-896 MHz	3.5 dB	Closed Collinear	28.88

Model	Description	MSRP
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SPRING ACCESSORY FOR STUD MOUNT ANTENNAS

LS	Shock Spring for Stud Mount Antennas	11.55
LSB	Black Shock Spring for Stud Mount Antennas	14.70



Rod Moves Up & Down For Greater Tuning Flexibility



Gold Plated Push Pin Contact for Better Power Transfer



Internal Circuit for Higher Durability



L8063 L152 L1443



L8 Stud Mount



E8063 EB8063C E8063C

Dual Band & Special Applications



With **ANTENEX**® dual band antennas, you will experience outstanding performance on both the VHF and UHF bands. Our manufacturing techniques exercise tight control over all the parameters necessary to build a mobile gain antenna for outstanding performance on two nonharmonically related frequencies. We have fully tested these antennas for both VSWR and radiation efficiency against popular competitive brands and we are confident that they will deliver as much or more signal and range than any competitive model regardless of price.



A150/450C

ASCANCS

Q27S

ADB150

MAV1602

C150/450CS

Technical Data - Product Features & Information

- **Gain:** See model.
- **Frequency Range:** See model.
- **VSWR:** <1.5:1 at center frequency.
- **Maximum Power:** 200 watts
- **Impedance:** 50 ohms
- **Mounting Base:** High temperature molded ABS with threaded brass insert.
- **Radiator:** 17-7ph stainless steel with a centerless ground finish or black chrome plate. Type 302 with an electropolished or black chrome plate finish for the disguise series.
- **Coil Form:** 3 dimensional precision machined delrin.® on C style dual band antennas.
- **Phasing Coils:** Silver plated tempered brass.
- **Contacts:** Gold plated push pin.
- **Mounts to:** 3/4" hole, 3/8" hole, magnetic and mini-trunk mounts. The Q27S mounts directly through the vehicle.

Ordering Guide - Clear, Easy & Sensible!

ADB450S = Black Low Profile Base Disguise Antenna, 450-470 MHz, Spring.

AD	Antenna Style	A = Low Profile Base Antenna AD = Disguise Antenna (Cellular Look-Alike) AHAM = Ham Scanner Antenna ASCAN = Public Safety Scanner Antenna C = Tall Coil Base Dual Band Antenna
B	Finish	Blank = Chrome Finish B = Black Finish
450	Frequency	Frequency component of part number in bold below: 144/440 150-174 150/450
Blank	Open Coil	Blank = Open Phasing Coil C = Closed Phasing Coil
S	Spring Option	S = Spring Option



Push Pin Contact for "B" & "C" Models



Base Contact on "A" Models

Model	Frequency	Gain	Radiator	MSRP
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DUAL BAND ANTENNAS

Chrome Models

A150/450C	150-174/450-470	Unity	Closed Collinear	30.51
C144/440C	144-148/440-450	2/5dB	Closed Collinear	50.20
C150/450C	150-174/450-470	2/5dB	Closed Collinear	50.20
C144/440CS	144-148/440-450	2/5dB	Closed Collinear	60.18
C150/450CS	150-174/450-470	2/5dB	Closed Collinear	60.18

Black Models

AB150/450C	150-174/450-470	Unity	Closed Collinear	36.05
CB144/440C	144-148/440-450	2/5dB	Closed Collinear	63.87
CB150/450C	150-174/450-470	2/5dB	Closed Collinear	63.87
CB144/440CS	144-148/440-450	2/5dB	Closed Collinear	80.13
CB150/450CS	150-174/450-470	2/5dB	Closed Collinear	80.13

DISGUISE ANTENNAS (CELLULAR LOOK-ALIKE)

Chrome Model

AD150	150-174 MHz	Unity	Short 1/4 Wave	27.60
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Black Model

ADB150	150-174 MHz	Unity	Short 1/4 Wave	32.85
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SAIL BOAT MAST ANTENNA

MAV1602	4 ft. No ground plane model			43.50
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SCANNER ANTENNAS

Chrome Model

ASCANCS	150/450/800	Rx Only	Closed Collinear	30.51
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Black Model

ABSCANCS	150/450/800	Rx Only	Closed Collinear	35.88
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Model	Description	MSRP
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SPRING OPTION FOR ABOVE MODELS THAT BEGIN WITH "A"

AS	Chrome Spring for above add...	9.79
ASB	Black Spring for above add...	15.97

Other Models

Q27S	27-54 MHz Full Length Quarterwave Stainless Steel Spring	104.97
Q27PT20PI	Q27 Wiring Harness, 20'RG58A/U Crimp PL259 installed	13.01

Discadoo™ Low Profile

Model	Frequency	MSRP
NMO Mount MODELS		
Ground Plane		
DISC806M	806-866 MHz	92.25
DISC824M	824-896 MHz	92.25
DISC2400M	2400-2500 MHz	92.25
No Ground Plane		
DISC806MN	806-866 MHz	97.45
DISC824MN	824-896 MHz	97.45
DISC890MN	890-960 MHz	97.45
DISC2400MN	2400-2500 MHz	97.45

SELF ADHESIVE MODELS WITH PIGTAILS

Ground Plane		
DISC806P	806-866 MHz	83.23
DISC824P	824-896 MHz	83.23
DISC2400P	2400-2500 MHz	83.23
No Ground Plane		
DISC806PN	806-866 MHz	88.23
DISC824PN	824-896 MHz	88.23
DISC890PN	890-960 MHz	88.23
DISC2400PN	2400-2500 MHz	88.23

Pigtail standard coax cable length is 2 ft. of RG316 with a TNC female connector installed.
All models available in white



The Discadoo™ can be painted to match your car's color with any nonmetallic paint. The magnetic base version is shown on the vehicle above.



Side Pigtail



Bottom Pigtail

Ordering Guide - Clear, Easy & Sensible!
DISC806P = Discadoo™ Antenna Model, 806-866 MHz, Pigtail

DISC	Antenna Style	Discadoo™ Low-Profile Saucer Style Antenna
806	Frequency	Frequency component of part number in bold below: 806-866 824-896 890-960 2400-2500
P	Mount	M = Standard NMO Mounting Socket P = Pigtail Model w/Self Adhesive Base & Female TNC
Blank	Plane	Blank = Normal Model N = NGP - No Ground Plane Model



The Discadoo™ Can Be Adjusted for Bottom or Side Path for the Cable.

Upgrade an Existing NMO Installation!

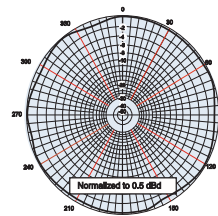


Our NMO style Discadoo™ is designed to be mounted on a car for mobile communication applications.

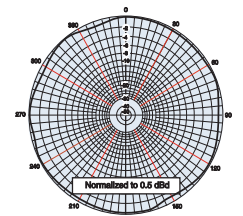
Technical Data - Product Features & Information

- **Frequency Range:** 806-866 MHz, 824-896 MHz, 890-960 MHz, 2400-2500 MHz
- **VSWR:** <2.0:1
- **Maximum Power:** 100 watts
- **Impedance:** 50 ohms, DC Continuity
- **Mounts to:** Any clean, flat surface or NMO type mount.
- **Mounting Base:** Adhesive, Magnetic or NMO
- **Radiator:** Brass radiator
- **Contact:** Female TNC
- **Cable:** 24" RG316

Horizontal Field Pattern



DISC824M



DISC890M

Multiversity™ Indoor Antenna



ANTENEX® offers the MIA8063ST Multiversity Indoor Antenna to maximize the flexibility and effectiveness of indoor communications. This antenna solution provides effective and clear communication for any in-building application. Add any **ANTENEX®** Yagi directional antenna, such as the Y8066, and any bi-directional amplifier for the ideal RF solution.

The aesthetically pleasing **MIA** antenna is also versatile. The antenna requires no ground plane. It may be mounted anywhere from a ceiling grid tile to an office wall depending on your application.

Technical Data - Product Features & Information

- **Frequency Range:** 806-869 MHz
2.4-2.5 GHz
- **Gain:** 3 dB
- **Impedance:** 50 Ohms
- **VSWR:** <1.5:1
- **Polarization:** Dual Polarized Field Diversity.
- **Maximum Power Input:** 100 Watts.
- **Mounting:** Single Hole Mount.
- **Self Adhesive Pad:**
- **Termination:** Pigtail with Type N Female
- **Material:**

Back Panel	ABS
Radiating Elements	PC Board
Radome	ABS
- **Weight:** .5 lb.
- **Application:** Ceiling or Wall Mount Microfill for Cellular, SMR & ESMR.



MIA8063ST Ceiling Mount

MIA8063 Wall Mount

4.25"

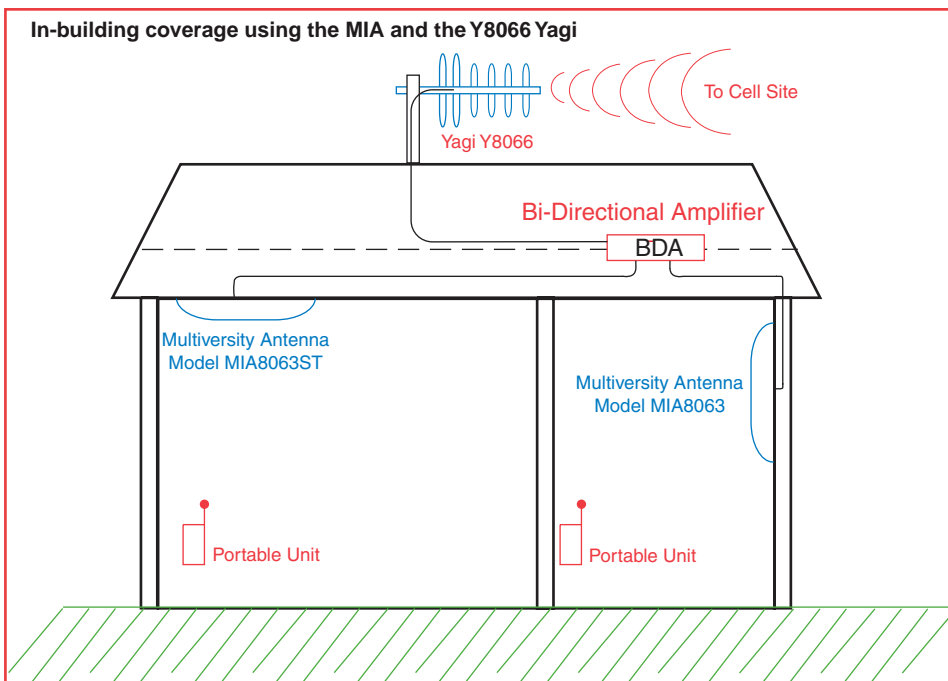
Installs in as little as 30 seconds!

WIRELESS
Design & Development®
2000
TECHNOLOGY AWARD WINNER

Model	Frequency	Description	Gain	MSRP
MIA8063	806-869	Wall mount	3 dB	199.00
MIA8063ST	806-869	Ceiling mount	3 dB	199.00
MIA24003	2.4-2.5	Wall mount	3 dB	199.00
MIA2400ST	2.4-2.5	Ceiling mount	3 dB	199.00

Many 800 MHz users experience coverage problems when using their subscriber units indoors, due to lack or loss of signal. Improve your phone system coverage in buildings, plants or warehouses with the Multiversity Dual Polarized Indoor Antenna (MIA8063ST) created exclusively for these applications by **ANTENEX®**.

Speed of installation: The wall mount installs like a standard phone jack and the ceiling mount installs in 30 seconds. These are the lowest visibility in-building antennas on the market!



MIA8063 Wall Mount



MIA8063ST Ceiling Mount

2.4 GHz Product Solutions

ANTENEX® Gold Fiberglass Base Station antennas are collinear designs enclosed in a high density fiberglass, which is impregnated with a protective ultraviolet inhibitor.

Radiating elements are made from high efficiency copper and are carefully phased to provide maximum gain in the horizontal plane. Anodized mounting sleeves are tuned to eliminate RF currents from the transmission line resulting in a "cold" sleeve allowing great freedom in mounting. A high quality and well-focused beam provides the highest gain and best efficiency.

Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best VSWR performance.

See the **ANTENEX® Freedom™** Series of mounts for a variety of mounting options on page 37.



MIA24003ST Ceiling Mount

MIA24003 Wall Mount

Model	Description	Gain	MSRP
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BASE AND FIXED ANTENNAS

Omni Directional

FG24003	2.4- 2.48 Fiberglass	3 dB	161.39
FG24006	2.4- 2.48 Fiberglass	6 dB	197.88

Directional

YE240015	Enclosed Yagi antenna	12.5 dB	245.00
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Multiversity

MIA24003	2.4-2.5 Wall mount	3 dB	199.00
MIA2400ST	2.4-2.5 Ceiling mount	3 dB	199.00

Model	Description	MSRP
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FIXED AND PERMANENT ANTENNAS

DISCADOO™

DISC2400PSM	Self Adhesive 2ft RG316 w/SMA	93.73
DISC2400PNSM	Self Adhesive 2ft RG316 w/SMA NGP	98.73

Phantom®

TRA24003NP	White Permanent mt. No Ground Plane	56.16
TRA24003P	White Permanent mt.	55.63
TRAB24003N	Black Permanent mt. No Ground Plane	41.08
TRAB24003P	Black Permanent mt.	55.63

LOW PROFILE MOBILE

Mobile Discadoo™ Antennas

DISC2400M	NMO mount	92.25
DISC2400MN	NMO mount No Ground Plane	97.45

White 3 dB Gain Models

Mobile & Mount Phantom® Antennas

TRA24003	White Phantom® Antenna NMO Mount	38.70
TRA24003N	White Phantom® No Ground Plane	41.08

Black 3 dB Gain Models

TRAB24003	Black Phantom® Antenna NMO mount	38.70
TRAB24003N	Black Phantom® No Ground Plane	41.08

Model	Description	Gain	MSRP
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DEXC2400SM	4" w/SMA	Unity	20.66
DEXE2400TNX	8" w/ TNX	2.5 dB	30.96
DEXR2.46TN	Right Angle 8" w/TN	2.5 dB	31.37

The new YE series enclosed Yagi from **ANTENEX®** features superior rugged construction. This 2.4 GHz Yagi antenna is completely sealed and cannot be disassembled by hand. The **ANTENEX®** enclosed Yagi antenna is 12.5 dB gain, constructed laser cutboom and elements and has a folded dipole feed. The tubular radome is 18" long and 3" in diameter enclosed with two 2" stainless steel U-bolts for ease in mast mounting.



YE series enclosed Yagi with U-bolts

The ANTENEX® Discadoo™

This exceptional antenna features a patented internal design that utilizes a classic planar-f style radiator to yield the lowest profile antenna in history. The **ANTENEX® Discadoo™** shown, is a self adhesive model with a pigtail of RG316 cable terminated with a TNC female connector. The **Discadoo™** is also available with a gold plated push pin NMO style mount.



Fiberglass OMNI Base Station Antennas

Portable Antennas

Phantom® Family

Model	Description	Gain	Bays	MSRP
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Folded Dipole Array Antennas

YDAF4032	403-470 MHz	8.5 dB	2 Bay ¼ wave	725.18
YDAF4034	403-470 MHz	8.5 dB	4 Bay ¼ wave	1,278.66
YDAF40342	403-470 MHz	8.5 dB	4 Bay ½ wave	1,278.66

Dipole Array Antennas

YDA4302	430-450 MHz		2 Bay	151.50
YDA4304	430-450 MHz		4 Bay	309.00

Fiberglass Base Station Antennas

FG4300	430-450 MHz	Unity		119.60
FG4303	430-450 MHz	3 dB		179.92
FG4305	430-450 MHz	5 dB		239.20

Voyager® Base Station Antennas

VG4062	406-450 MHz	2 dBi		96.00
VG4065	406-450 MHz	5 dBi		122.40
VG4066	406-450 MHz	6 dBi		180.00

Yagi Directional Antennas - Gold Anodized/Fully Welded

Y4303	430-450 MHz	7.1 dBd		133.91
Y4305	430-450 MHz	9.2 dBd		160.73
Y4306	430-450 MHz	10.2 dBd		171.52
Y43012	430-450 MHz	11 dBd		240.98

Yagi Directional Antennas - Silver Series Non-Welded

YS4303	430-450 MHz	7.1 dBd		72.80
YS4305	430-450 MHz	9.2 dBd		98.80
YS4306	430-450 MHz	10.2 dBd		114.40
YS43012	430-450 MHz	11 dBd		177.65

Fixed Phantom® Transit

TRA4303P	430-450 MHz	3 dB Perm.		55.63
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Phantom® Transit Antennas

TRA4303	430-450 MHz	3 dB		41.08
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Genesis™ Wide-band Antennas

CW4205C	420-450 MHz	5 dB Wideband		57.42
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Base Loaded Mobile Coils

B132	132-928	Unity		26.00
B4303	430-450 MHz	3 dB		31.50
B4305C	430-450 MHz	5 dB		39.24
B4305CN	430-450 MHz	5 dB NGP		46.87

Quarterwave Antennas

QW430	430-450 MHz	Unity		8.25
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"A-Base" Mobile Coils

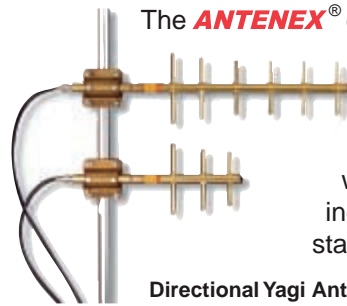
A430	430-450 MHz	Unity		18.03
A4303C	430-450 MHz	3 dB		29.87

Mobile Mounting Options

MB8P	Mount 17"RG58 w/PL259			18.00
TM8P	Trunk Mt 17"RG58 w/PL259			29.63
G8PI	Magnet Mt 12"RG58 w/PL259			35.78

PORTABLES

DEXC420	HT, KR, MD, MX, BN, BNX			16.58
	MR, SF, SFJ, SFU, TN, TNX			20.66
DEXD420	HT, KR, MD, MX, BN, BNX			17.65
	MR, SF, SFJ, SFU, TN, TNX			21.78
DEXR420	KR, MX, BN, TN			31.37
DEXW400	MX, KR, BNX, TNX			39.27
DG400	BN, TN			36.21



The **ANTENEX**® directional Yagi antenna is available in a gold anodized fully welded version direct feed version or a silver traditional gamma matched version. Each Yagi ships complete with a high quality mounting kit that includes a heavy-duty bracket and stainless steel hardware

Directional Yagi Antennas



YDAF4034

Our two and four bay YDAF series of dipole arrays provide unmatched flexibility for both radiation pattern and frequency adjustment. Each Antenna is gold anodized, with fully welded elements and a nickel plated brass "N" connector.



TRA4303



VG4065



B4305C



Gold Contact



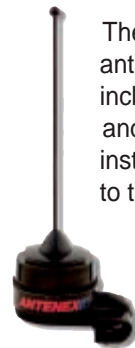
Fiberglass OMNI Basestation Antennas

ANTENEX® Mobile antennas will stand up to the most rugged applications. They are used extensively on municipal vehicles, industrial vehicles, taxicabs and other high endurance applications.



CW4205C

The **ANTENEX**® **Genesis**™ Wide-band antenna models have many advantages, including a gold plated push pin contact and no tuning, which translates into ease of installation and reduced cost. There is no need to trim the whip, just install out of the box!



TM8 w/QWB430

The **Phantom**® revolutionary design features low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications. The technology is beneficial when high performance, extreme ruggedness and low profile is required.



TM8

Whatever your TETRA application, **ANTENEX**® has the right mobile or base antenna solution for you.



MAB8



MB8



GR8 Mount

ANTENEX® combines functional elegance with solid electrical design and mechanical innovation in its **Mountaineer™** family of vertical fiberglass base station antennas. We employ an innovative heavy-duty radial system that allows for freedom in mounting and longer radial life. Only high quality aluminum and stainless steel materials that withstand severe weather conditions are used.

All **Mountaineer™** antennas feature flexible 50-year rated weather seals on all exposed joints as well as an improved condensation drain system. Moving a threaded plug from the top to the bottom prepares the antenna for inverted mounting. A special top cap allows for a narrower taper with lowered wind loading, further improving the design.

The woven fiberglass radome, with its low visibility sky blue color dyed into the resin, improves stealth characteristics. Adding the dye to the resin during the fiberglass curing process locks in the color. Additional high tech materials achieve a lowered cross-section mass for lighter weight and reduced wind load.

We use an industry standard nickel-plated solid brass N-female connector at the feed. This allows for a far better weather seal and lower insertion loss than the SO-239 connectors used in other antennas. **Mountaineer™** is designed with an internal vibration damping system that is superior to the competition.

You can also be assured of the highest quality and integrity for your installation as each **Mountaineer™** antenna is fully tested for return loss, gain and proper radiation pattern prior to shipment.

When you need an antenna to withstand the most demanding conditions look no further than the **ANTENEX® Mountaineer™**.

Ordering Guide - Clear, Easy & Sensible!

FGM45010 = **Mountaineer™** Omnidirectional Fiberglass, 450-460 MHz, 10 dBd gain

FGM	Antenna Style	FGM = Fiberglass - Gold Sleeve Mountaineer™			
450	Frequency	Frequency component of part number in bold below:			
		150-155	155-160	160-165	216-225
10	Gain	5 = 5 dBd		7 = 7 dBd	
		10 = 10 dBd			

Model	Frequency Range	Tuned Frequency	Gain	MSRP
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VHF 5 dB GAIN MODELS

FGM1505	150-155 MHz	152 MHz	5 dBd	1,743.27
FGM1555	155-160 MHz	157 MHz	5 dBd	1,743.27
FGM1605	160-165 MHz	163 MHz	5 dBd	1,743.27

220 MHz 5 dB GAIN MODELS

FGM2165	216-225 MHz	220 MHz	5 dBd	1,743.27
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UHF 7 dB GAIN MODELS

FGM4507	450-460 MHz	455 MHz	7 dBd	2,058.00
FGM4607	460-470 MHz	465 MHz	7 dBd	2,058.00

UHF 10 dB GAIN MODELS

FGM45010	450-460 MHz	455 MHz	10 dBd	2,278.50
FGM46010	460-470 MHz	465 MHz	10 dBd	2,278.50

Model	Description	MSRP
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MOUNTING OPTIONS

FM3	Heavy Duty Mounting Bracket (2)	118.02
FM3W	Welded Heavy Duty Bracket (2)	128.75

LMR COAX OPTIONS

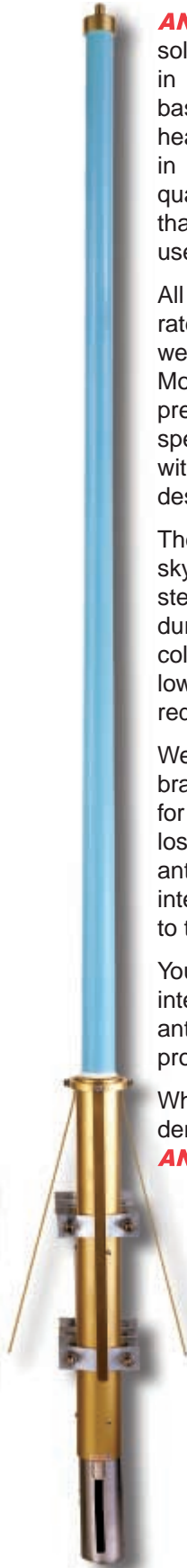
R400100	100' Spool High Performance LMR400	140.00
R400500	500' Spool High Performance LMR400	650.00

Model	Description	MSRP
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MOUNTAINEER ACCESSORIES

LAIL350NN	Inline Lighting Arrestors N to N	79.16
LABH350NN	Bulkhead Lightning Arrestors N to N	79.16
CN400	N Male For LMR400	8.00
CCT213	Heavy Duty Crimp Tool	71.95
IA3MTP22	3M 2200 TAR SEAL	6.75

See Page 39 for more LMR connectors.
Free freight policy does not apply to **Mountaineer™** Antennas.



FM3W- Welded Heavy Duty Mounting Bracket



FM3 - Heavy Duty Mounting Bracket



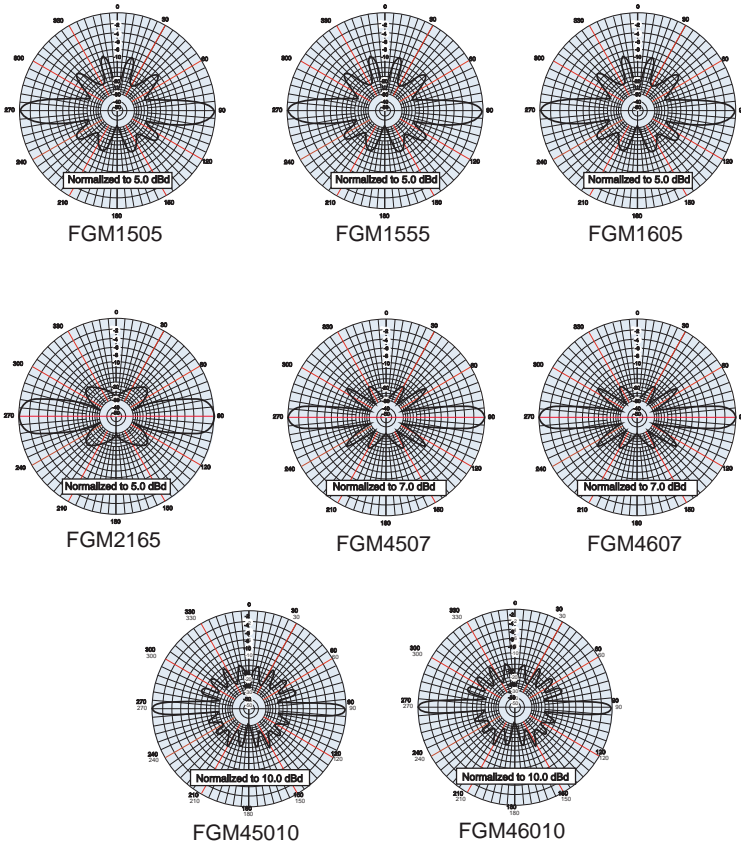
LABH350NN - Bulkhead Lightning Arrestors N to N



LAIL350NN - Inline Lighting Arrestor N to N

Mountaineer™
FGM1505 shown
w/ Optional FM3W
Mounting Kit

Vertical Field Patterns

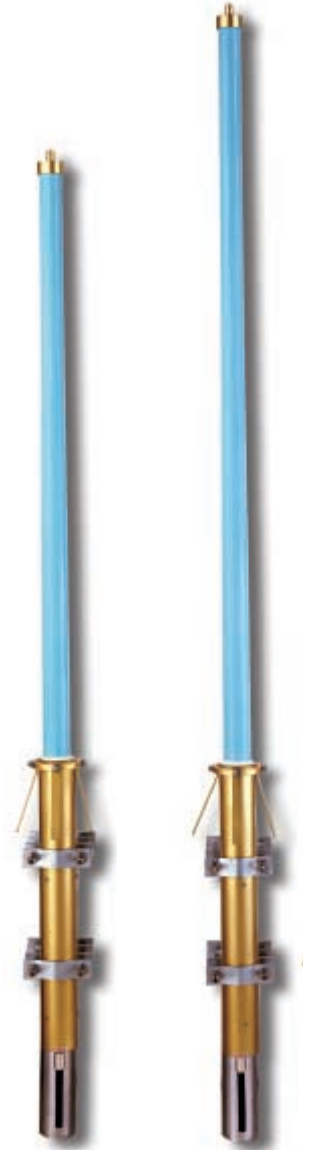


Top Cap

Heavy Duty Radial System



Base-N-Connector and Drain Plug



Mountaineer™
FGM4607
w/ Optional
FM3W
Mounting Kit

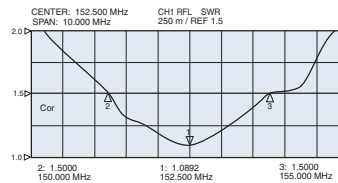
Mountaineer™
FGM45010
w/ Optional
FM3W
Mounting Kit

Technical Data - Product Features & Information

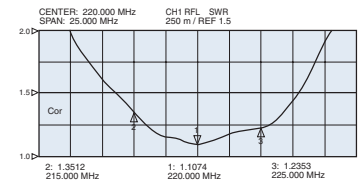
	VHF	220 MHz	UHF
Gain:	5 dBd	5 dBd	10 dBd
Frequency Range:	5 MHz	7 MHz	10 MHz
VSWR (across band):	1.5:1 Maximum	1.5:1 Maximum	1.5:1 Maximum
Maximum Power:	500 watts	500 watts	350 watts
Impedance:	50 ohms	50 ohms	50 ohms
Ground Plane:	Radials	Radials	Radials
Length:	24'	18'	22'
Weight:	26 lbs.	24 lbs.	26 lbs.
Connector:	Type "N"	Type "N"	Type "N"
Rated Wind Velocity:	145 M.P.H.	145 M.P.H.	145 M.P.H.
Polarization:	Vertical	Vertical	Vertical
Mounting:	3" OD	3" OD	3" OD
Termination:	Recessed type "N" female connector.		

Custom Tuning Available Only \$50.00

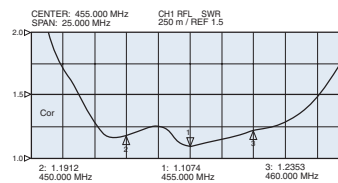
VSWR



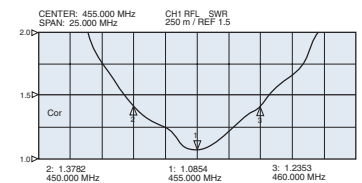
FGM1505



FGM2165



FGM4507



FGM45010

Fiberglass Omnidirectional VHF, UHF, 800, 900 & 1200 MHz

Features & Benefits

- Collinear Designs - High Performance
- High Density Fiberglass - Very Durable
- Special UV Treated - Stands Up to the Sun
- 100% Tested on a Network Analyzer
- Durable Gold Anodized Sleeve and Cap
- N Female Industry Standard Connector
- FedEx/UPS Shippable

Custom
Tuning
Available
Only \$25.00



FG8066 & FG8063
w/FM2 Mounting Option



N Female Base
Connector



FM2 Mounting Bracket

Technical Data - Product Features & Information

- **VSWR:** VHF — 3 dB - 2:1, All other models — 1.5:1
- **Maximum Power:** 100 watts - UHF and 800 models
150 watts - VHF models
- **Impedance:** 50 ohms, Models with DC continuity
- **Mounting Sleeve:** Heavy wall, gold anodized 1 1/4" aluminum.
- **Radiator:** Precision copper clad elements sealed in white ultraviolet-inhibiting fiberglass radome.
- **Mounts to:** See optional mounting kits listed above.
- **Antenna Length:**

Gain	VHF	UHF	800/900	1.2 GHz
Unity	68"	26"	15"	25"
3 dBd	107"	44"	25"	25"
5 dBd	N/A	76"	N/A	N/A
6 dBd	N/A	N/A	65"	65"
7 dBd	N/A	107"	N/A	N/A
- **Vertical Beam Width:**

Unity	3 dBd	5 dBd	6 dBd	7 dBd
75	33	20	17	14
- **Antenna Weight:** VHF 3 dBd & UHF 7 dBd = 8 lbs. All others = 6 lbs. (or less)
- **Termination:** Recessed type "N" female connector.
- **Wind Survival:** 125 M.P.H.
- **Polarization:** Vertical Polarization

Ordering Guide - Clear, Easy & Sensible!

FG1523 = Omnidirectional Fiberglass 152-156 MHz, 3 dB.

FG	Mount Style	FG = Fiberglass - Gold Sleeve			
152	Frequency	Frequency component of part number in bold below:			
		140-144	144-148	148-152	152-156
		156-162	162-168	168-174	220-225
		360-380	380-390	406-416	410-420
		420-430	430-440	440-450	450-460
		460-470	470-480	490-500	500-512
		806-866	824-896	851-896	869-902
896-940	902-928	928-970	936-970		
2400-2500					
3	Gain	0 = Unity	3 = 3 dB	5 = 5 dB	
		6 = 6 dB	7 = 7 dB		

Model	Frequency Range	Tuned Frequency	Length	MSRP
VHF UNITY GAIN MODELS				
FG1400	140-144 MHz	142 MHz	68"	156.00
FG1440	144-148 MHz	146 MHz	68"	156.00
FG1480	148-152 MHz	150 MHz	68"	156.00
FG1520	152-156 MHz	154 MHz	68"	156.00
FG1560	156-162 MHz	159 MHz	68"	156.00
FG1620	162-168 MHz	165 MHz	68"	156.00
FG2200	220-225 MHz	222.5 MHz	68"	156.00

Model	Frequency Range	Tuned Frequency	Length	MSRP
VHF 3 dB GAIN MODELS				
FG1403	140-144 MHz	142 MHz	107"	240.72
FG1443	144-148 MHz	146 MHz	107"	240.72
FG1483	148-152 MHz	150 MHz	107"	240.72
FG1523	152-156 MHz	154 MHz	107"	240.72
FG1563	156-162 MHz	159 MHz	107"	240.72
FG1623	162-168 MHz	165 MHz	107"	240.72
FG1683	168-174 MHz	171 MHz	107"	240.72
FG2203	220-225 MHz	222.5 MHz	107"	240.72

Model	Frequency Range	Tuned Frequency	Length	MSRP
UHF UNITY GAIN MODELS				
FG4060	406-416 MHz	411 MHz	26"	119.60
FG4100	410-430 MHz	420 MHz	26"	119.60
FG4300	430-450 MHz	440 MHz	26"	119.60
FG4500	450-470 MHz	460 MHz	26"	119.60
FG4900	490-512 MHz	501 MHz	26"	119.60

Model	Frequency Range	Tuned Frequency	Length	MSRP
UHF 3 dB GAIN MODELS				
FG3603	360-380 MHz	370 MHz	44"	179.92
FG3803	380-390 MHz	385 MHz	44"	179.92
FG4063	406-416 MHz	411 MHz	44"	179.92
FG4103	410-420 MHz	415 MHz	44"	179.92
FG4203	420-430 MHz	425 MHz	44"	179.92
FG4303	430-440 MHz	435 MHz	44"	179.92
FG4403	440-450 MHz	445 MHz	44"	179.92
FG4503	450-460 MHz	455 MHz	44"	179.92
FG4603	460-470 MHz	465 MHz	44"	179.92
FG5003	500-512 MHz	506 MHz	44"	179.92

Model	Frequency Range	Tuned Frequency	Length	MSRP
UHF 5 dB GAIN MODELS				
FG4065	406-416 MHz	411 MHz	76"	239.20
FG4205	420-430 MHz	425 MHz	76"	239.20
FG4305	430-440 MHz	435 MHz	76"	239.20
FG4405	440-450 MHz	445 MHz	76"	239.20
FG4505	450-460 MHz	455 MHz	76"	239.20
FG4505W	450-470 MHz	460 MHz	76"	239.20
FG4605	460-470 MHz	465 MHz	76"	239.20
FG4705	470-480 MHz	475 MHz	76"	239.20

Model	Frequency Range	Tuned Frequency	Length	MSRP
UHF 7 dB GAIN MODELS				
FG4407	440-450 MHz	445 MHz	107"	352.76
FG4507	450-460 MHz	455 MHz	107"	352.76
FG4607	460-470 MHz	465 MHz	107"	352.76
FG4907	490-500 MHz	495 MHz	107"	352.76
FG5007	500-512 MHz	506 MHz	107"	352.76

ANTENEX® Gold Fiberglass Base Station antennas are collinear designs enclosed in a high density fiberglass, which is covered with a protective ultraviolet inhibiting coating.

The radiating elements are made from high efficiency copper and are carefully phased to provide maximum gain in the horizontal plane. The mounting sleeves are tuned to eliminate RF currents from the transmission line resulting in a “cold” sleeve allowing great freedom in mounting. This high quality and well-focused beam provides the highest gain and best efficiency.

Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best VSWR performance.

Model	Frequency Range	Tuned Frequency	Length	MSRP
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800/900 MHz UNITY GAIN MODELS

FG8060	806-866 MHz	813.5 MHz	15"	96.81
FG8240	824-896 MHz	835 MHz	15"	96.81
FG8960	896-940 MHz	898 MHz	15"	96.81
FG9360	936-970 MHz	953 MHz	15"	96.81

800/900 MHz 3 dB GAIN MODELS

FG8063	806-866 MHz	813.5 MHz	25"	144.70
FG8243	824-896 MHz	835 MHz	25"	144.70
FG8693	869-902 MHz	882 MHz	25"	144.70
FG8963	896-940 MHz	898 MHz	25"	144.70
FG9023	902-928 MHz	915 MHz	25"	144.70
FG9283	928-970 MHz	930 MHz	25"	144.70

800/900 MHz 6 dB GAIN MODELS

FG8066	806-866 MHz	813.5 MHz	65"	187.45
FG8246	824-896 MHz	835 MHz	65"	187.45
FG8966	896-940 MHz	898 MHz	65"	187.45
FG9026	902-928 MHz	915 MHz	65"	187.45
FG9286	928-936 MHz	930 MHz	65"	187.45
FG9366	936-970 MHz	947 MHz	65"	187.45

2.4 GHz 3 dB MODELS

FG24003	2400-2500 MHz	2450 MHz	14"	161.39
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2.4 GHz 6 dB MODELS

FG24006	2400-2500 MHz	2450 MHz	24"	197.88
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Model	Description	MSRP
FM1	Stainless Steel U-Bolt Mount (2)	10.00
FM2	Fiberglass Mounting Bracket (2)	38.00
FMS9	9 Inch Standoff (2)	87.28
FMW4	4 Inch Wall Mount	21.60

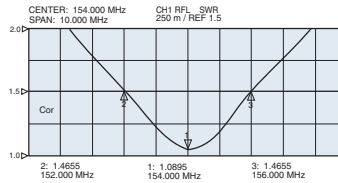
MOBILE TO BASE CONVERTER

MBC	Mobile-to-base Converter for VHF and UHF, S0239 Terminated	30.90
MBCN	Mobile-to-base Converter for VHF and UHF, N Terminated	30.90
MBC800	Mobile-to-base Converter for 800 and 900 MHz, N Terminated	30.90

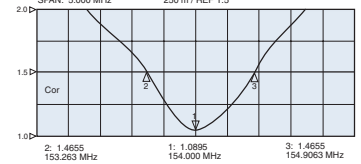
FIBERGLASS BASE ANTENNA ACCESSORIES

LAIL350NN	Bulk Head Lightning Arrestor N to N	79.16
LABH350NN	In-Line Lightning Arrestor N to N	79.16
CCT213	Heavy Duty Crimp Tool	71.95
CN400	Type N Male	8.00
R400100	100' Spool High Performance LMR400	140.00
R400500	500' Spool High Performance LMR400	650.00
PT40025NN	Pigtail 25 ft. LMR400 N to N	57.00
PT40050NN	Pigtail 50 ft. LMR400 N to N	92.00
PT40075NN	Pigtail 75 ft. LMR400 N to N	127.00
PT400100NN	Pigtail 100 ft. LMR400 N to N	156.00

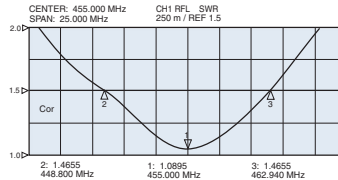
VSWR



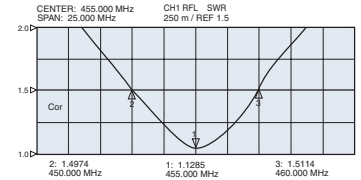
FG1520



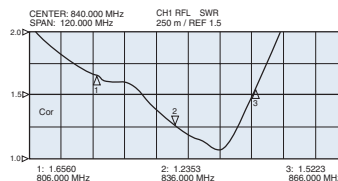
FG1523



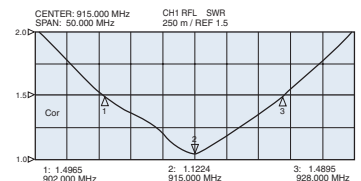
FG4505



FG4507



FG8066



FG9026

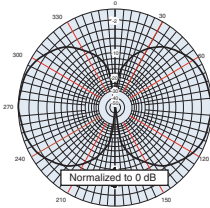


MBC800 Shown With Optional B8063 Antenna

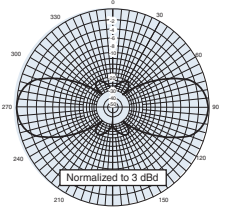


LAIL350NN - In-line Lightning Arrestor N to N

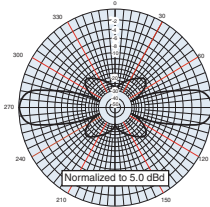
Vertical Field Patterns



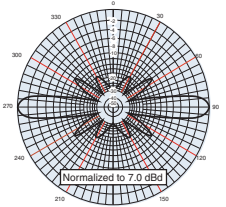
FG1520



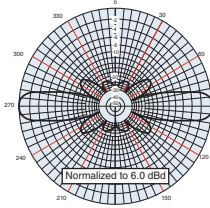
FG1523



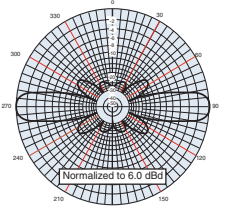
FG4505



FG4507



FG8066



FG9026

Voyager® Patented Internal Matching

A classic design updated for the 21st century, the Voyager features superb design and manufacturing to give you an elegant, yet inexpensive base antenna that you can use over and over again. **ANTENEX®** has added many features that our competition hasn't even dreamed of. Our engineers have replaced the usual obnoxious tuning rings and phasing stubs with a state of the art patented internal matching network. Our plated N connector isn't left hanging in the wind, it is protected by the antenna sleeve. This gold anodized aluminum sleeve provides a protective covering as well as a great look and solid mounting.

Features & Benefits

- Gold Anodized Aluminum
- Internal Matching Network
- N Female Connector
- 100% Tested before Shipping
- Broad Banded
- FedEx/UPS Shippable
- Patented Technology
- Field Tunable

Technical Data

Product Features & Information

- **Max Power:** 250 watts (VHF, UHF)
500 watts (Lowband)
- **Termination:** "N" Female, or optional SO239 connector
- **Impedance:** 50 Ohms - DC Continuity
- **Lightning Protection:** DC Ground
- **Finish:** Gold Anodized
- **Radiator Material:** 6061-T6 Aluminum Tube
- **Wind Survival:** 100 M.P.H. (Standard)
- **Length:** VHF 0 dBi: 55"; 5 dBi: 102" - typical extended
UHF 0 dBi: 25"; 5 dBi: 35" typical extended
VE402: 240" - typical extended (other models vary)
- **Vertical Beamwidth:** 2 dBi: 70°, 5 dBi: 35°
- **Bandwidth @ 1.5:1 VSWR:** 2 dBi: 5% of center frequency
5 dBi: 2.5% of center frequency
6 dBi: 2% of center frequency
- **Bandwidth @ 2.0:1 VSWR:** 2 dBi: 10% of center frequency
5 dBi: 5% of center frequency
6 dBi: 4% of center frequency
- **Weight:** Lowband: 15 lbs
VHF Unity: 1.2 lbs
VHF 5 dBi: 2.5 lbs
UHF Unity: 0.6 lbs
UHF 5 dBi: 1.5 lbs
- **Equivalent Flat Plate Area:** VHF Unity: 36"²
VHF 5 dBi: 72"²
UHF Unity: 15"²
UHF 5 dBi: 22"²
- **Windthrust @ 100 M.P.H. & 0°F:** VHF Unity: 4.5 lbs
VHF 5 dBi: 11.6 lbs
UHF Unity: 2.5 lbs
UHF 5 dBi: 4 lbs
- **Mounting:** FM2 All VHF or UHF models
FM3 or FM3W for lowband models



VG402, VG1502, VG4505
Voyager® Antennas

Ordering Guide - Clear, Easy & Sensible!

VG1505 = Voyager® Gold Aluminum Base Antenna, 150-174 MHz, 5 dBi.

VG	Antenna Style	VG = Voyager® Gold Aluminum Base Antenna		
150	Frequency	Frequency component of part number in bold below:		
		34-40	40-47	132-150
		150-174	406-450	450-512
5	Gain	2 = 2 dBi		
		5 = 5 dBi		
		6 = 6 dBi		

U.S. Patent #5612705 - International Patents Pending.

Model	Frequency	Gain	MSRP
LOWBAND 2 dBi GAIN MODELS			
VG342	34-40 MHz	2 dBi	342.00
VG402	40-47 MHz	2 dBi	342.00
VG1502	150-174 MHz	2 dBi	120.00
VG1325	132-150 MHz	5 dBi	165.60
VG1505	150-174 MHz	5 dBi	165.60
VG1326	132-150 MHz	6 dBi	210.00
VG1506	150-174 MHz	6 dBi	210.00
VG4502	450-512 MHz	2 dBi	96.00
VG4065	406-450 MHz	5 dBi	122.40
VG4505	450-512 MHz	5 dBi	122.40
VG4506	450-512 MHz	6 dBi	180.00

Model	Description	MSRP
MOUNTING OPTIONS		
FM2	Mounting Bracket (2)	38.00
LOWBAND MOUNTING OPTIONS		
FM3W	Center Weld Heavy Duty Base Mount (2)	128.75
FM3	Heavy Duty Large Base Mount (2)	118.02

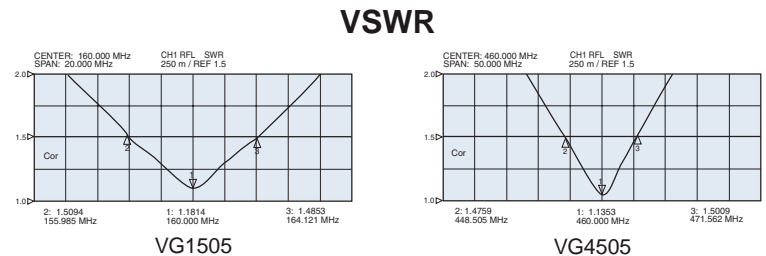
To convert dBi (isotropic) to dBd (dipole) subtract 2.
All models are FedEx/UPS shippable



N Female Base Connector



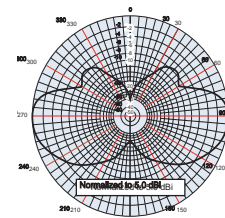
FM2 Mounting Bracket



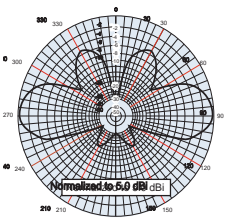
VG1505

VG4505

Vertical Field Patterns



VG1505



VG4505

Featuring superior rugged construction, the new YE series enclosed yagi from **ANTENEX**[®] is solidly constructed and cannot be disassembled by hand. This 2.4 GHz, 15 element Yagi antenna has a directional 12.5 dB gain, with an outdoor rated tubular radome. The antenna is 18" long and 3" in diameter and ships complete with two 2" stainless steel U-bolts and brackets for easy mast mounting.

Utilizing a heavy aluminum mounting plate for long-term survivability, the rigid laser cut aircraft quality aluminum internal element and air filled radome yields a higher efficiency and greater performance than any stamped or printed circuit versions. The antenna also features a low loss Teflon based folded dipole feed. Weighing in at only 1.6 lbs., this enclosed yagi comes with 18" of low loss coax cable and is terminated with an N female connector. The YE has a VSWR of <2.0:1 from 2.4 GHz to 2.48 GHz and can be mounted outdoors in the most harsh weather conditions. This antenna is the answer for your WLAN installation challenges!

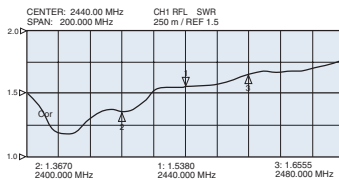


2.4 GHz Enclosed Yagi with U-bolts

Technical Data - Product Features & Information

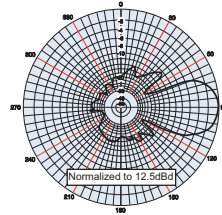
- **Frequency** 2.4 to 2.48 GHz
- **Gain** 12.5 dB
- **Impedance** 50 ohms
- **VSWR** <2.1:1
- **Polarization** Vertical
- **Front-to-Back Ratio** 20 dB
- **Weight** 1.6 lbs
- **Termination** 18" pigtail of low loss cable terminated with an N female connector
- **Length** 18 inches long
- **Diameter** 3 inches
- **Mounts** Included are two 2 inch U-bolts and brackets for easy mast mounting

VSWR



YE240015

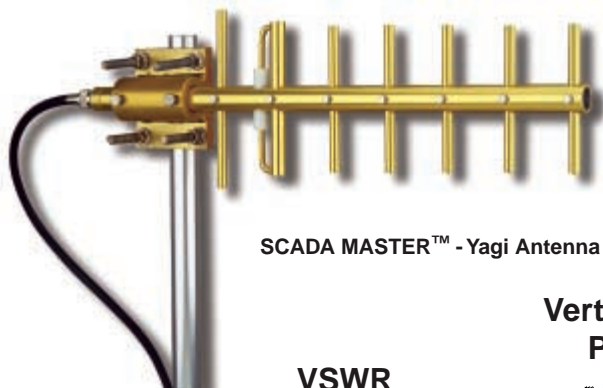
Vertical Field Pattern



YE240015

Model	Frequency	Gain	Front-Back Ratio	MSRP
YE240015	2400-2500 2.4 GHz	12.5 dBd	20 dB	245.00

The SCADA MASTER[™] is a rugged broadband Yagi antenna specifically designed for professional fixed-station applications. **ANTENEX**[®] uses the highest quality materials to assure the best possible performance. The boom is fabricated of heavy duty 6061-T6 aluminum seamless drawn pipe and the elements are solid aluminum, not hollow tubing. It also features a folded dipole feed that enhances bandwidth performance and delivers trouble free weather resistance. The entire antenna is anodized for reliability and corrosion resistance. You can install it and forget it! The hardware and fastenings are stainless steel. The boom and all internal connections are completely sealed in a foam potting system. This helps to prevent moisture penetration which assures a long service life in even the most severe weather conditions. The heavy duty cast aluminum mount allows installation for both vertical and horizontal polarization.

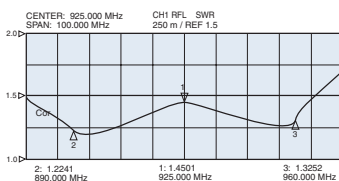


SCADA MASTER[™] - Yagi Antenna

Technical Data - Product Features & Information

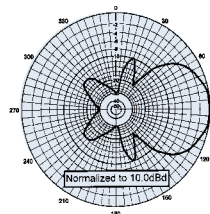
- **Frequency:** 896-960 MHz (Broadband)
- **Gain:** 10 dBd
- **Impedance:** 50 ohms
- **VSWR:** <1.5:1 (1.35:1 is typical)
- **Polarization:** Horizontal or Vertical
- **Front-to-back Ratio:** >20 dB
- **Maximum Input Power:** 100 watts
- **H-plane Beamwidth:** 48 degrees (half power)
- **E-plane Beamwidth:** 40 degrees (half power)
- **Termination:** N Female (boom end)
- **Weight:** 3 lbs. (1.4 kg)
- **Dimensions:** 23" x 7" (584 x 178 mm)
- **Wind Survival Rating:** 200 mph (240 kph)
- **Shipping Dimensions:** 24" x 6" x 4" (610 x 406 x 102 mm)
- **Shipping Weight:** 5.0 lbs. (2.3 kg)
- **Mounting:** For masts of 1.25 to 2.375 in OD
- **Temperature Range:** 150°F to 150°F

VSWR



YNT8967SM

Vertical Field Pattern

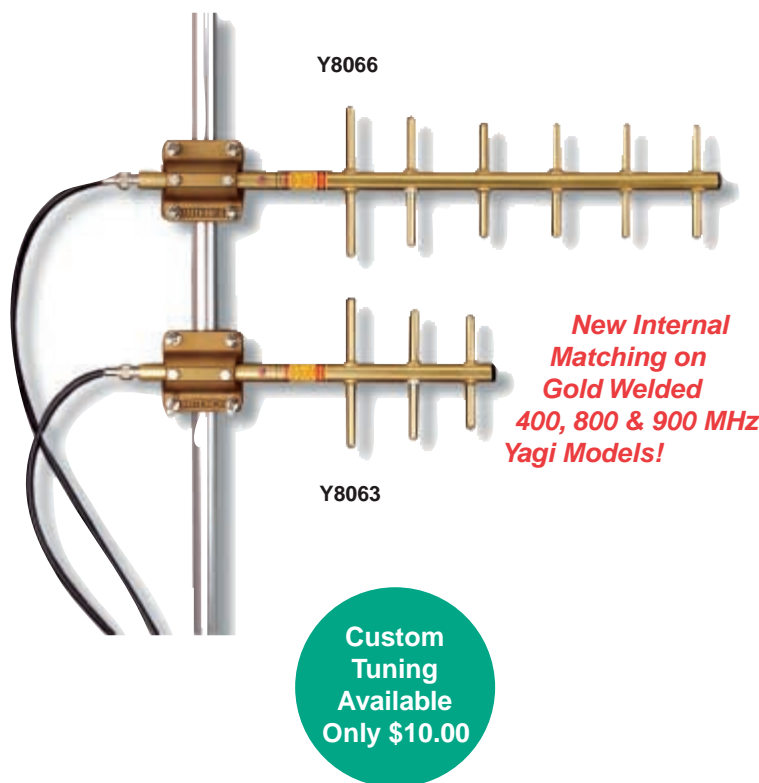


YNT8967SM

Model	Frequency	Elements	Gain	Front-Back Ratio	MSRP
YNT8967SM	896-960	7	10 dB	>20 dB	312.50

Directional Yagis - Superior Quality and Performance!

This is undoubtedly the most fully featured internally matched Yagi available. This design features an end-of-boom N connector feed with an internal transmission line feeding the driven element. Internal matching achieves broad bandwidth and is highly weather resistant. There is no gamma match to ice up, corrode or detune. The fully welded **ANTENEX**® Yagi antenna features 360-degree welds around each element and is fully gold anodized for corrosion resistance. Our engineering staff has optimized this product design for forward gain by computer analysis and then field-tested each for conformance.



Ordering Guide - Clear, Easy & Sensible!

Y4505 = Fully Welded Yagi in gold, 450-470 MHz, 5 Elements.

Y	Antenna Style	Y = Welded and Gold Anodized Yagi YB = Welded and Black Anodized Yagi YS = Silver Series Yagi Black finish is not available on the Silver Series.		
450	Frequency	Frequency component of part number in bold below: 136-150 150-174 220-250 406-430 430-450 450-470 470-490 490-512 806-896 896-970		
5	Elements	3 = 3 Elements	5 = 5 Elements	6 = 6 Elements 12 = 12 Elements

Mounting brackets included at no extra charge.

Model	Frequency	Elements	Gain	Front-Back Ratio	MSRP
FULLY WELDED NON-ANODIZED VHF MODELS					
YXXX3W	User Defined	3	7.1 dBd	17 dB	246.10
YXXX5W	User Defined	5	9.2 dBd	20 dB	288.90

GOLD ANODIZED VHF MODELS					
Y1363	136-150 MHz	3	7.1 dBd	17 dB	154.93
Y1365	136-150 MHz	5	9.2 dBd	20 dB	210.52
Y1503	150-174 MHz	3	7.1 dBd	17 dB	155.07
Y1505	150-174 MHz	5	9.2 dBd	20 dB	209.73
Y2203	220-250 MHz	3	7.1 dBd	17 dB	155.21
Y2205	220-250 MHz	5	9.2 dBd	20 dB	209.73

GOLD ANODIZED FULLY WELDED UHF MODELS					
Y4065	406-430 MHz	5	9.2 dBd	20 dB	160.65
Y4066	406-430 MHz	6	10.2 dBd	20 dB	171.52
Y4303	430-450 MHz	3	7.1 dBd	17 dB	133.91
Y4305	430-450 MHz	5	9.2 dBd	20 dB	160.73
Y4306	430-450 MHz	6	10.2 dBd	20 dB	171.52
Y43012	430-450 MHz	12	11 dBd	20 dB	240.98
Y4503	450-470 MHz	3	7.1 dBd	17 dB	133.91
Y4505	450-470 MHz	5	9.2 dBd	20 dB	160.73
Y4506	450-470 MHz	6	10.2 dBd	20 dB	171.52
Y45012	450-470 MHz	12	11 dBd	20 dB	240.98
Y4705	470-490 MHz	5	9.2 dBd	20 dB	160.73
Y4706	470-490 MHz	6	10.2 dBd	20 dB	171.52

GOLD ANODIZED FULLY WELDED 800/900 MHz MODELS					
Y8063	806-896 MHz	3	6 dBd	15 dB	133.95
Y8066	806-896 MHz	6	9 dBd	16 dB	160.73
Y80612	806-896 MHz	12	11 dBd	20 dB	214.32
Y8963	896-970 MHz	3	6 dBd	15 dB	133.95
Y8966	896-970 MHz	6	9 dBd	16 dB	160.73
Y89612	896-970 MHz	12	11 dBd	20 dB	214.32

REPLACEMENT MOUNTING KITS		
YM78	Yagi Mounting Kit for 7/8" Boom	13.50
YM190	HD Yagi Mounting Kit 7/8" to 4 1/2"	43.20
YM78HD	HD Yagi Mounting Kit for 7/8" Boom	47.50
YM100HD	HD Yagi Mounting Kit for 1" Boom	47.50
YM125HD	HD Yagi Mounting Kit 7/8" to 4 1/2"	47.50



Mounting Kits
YM78HD, YM100HD, YM125HD

LAIL350NN - Inline
Lighting Arrestor N to N

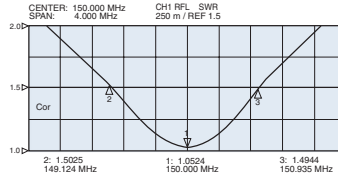
Technical Data - Product Features & Information

- **VSWR:** <1.5:1
- **Maximum Power:** 500 watts - VHF
300 watts - UHF & 800/900 MHz
- **Impedance:** 50 ohms
- **Mounting:** VHF up to 2" mast. UHF and 800/900 MHz up to 1-5/8" mast.
- **Tuning:** All Yagi's are pre-tuned on a Network Analyzer to the lowest frequency for that model.
- **Elements Material:** 3/8" diameter solid 6061-T6 aluminum.
- **Boom Material:** Heat treated 6061-T6 aluminum tube.
- **Boom Diameter:** UHF, 800/900 MHz - 7/8"
VHF - 3 dB 7/8", 5 dB 1 1/4"
- **Finish:** Protective gold or black anodized finish. Allow longer lead time for black finish models. Silver Series feature a bright finish.
- **Shipping:** All models are FedEx/UPS shippable. Welded VHF may require truck freight.
- **Assembly:** VHF models require light assembly. All other models come fully assembled.
- **Mounting:** Stainless steel brackets included.
- **Termination Type:** N Female. SO239 (UHF female available upon request).
- **Lighting Protection:** DC ground
- **Boom Length:**

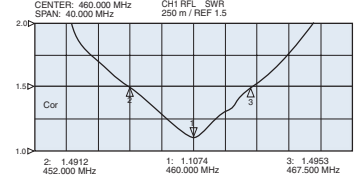
VHF	3 Element - 41-1/2"	5 Element - 72"
UHF	3 Element - 20-3/16"	5 Element - 37"
	6 Element - 44"	12 Element - 72"
800/900	3 Element - 16-3/4"	6 Element - 27-3/4"
	12 Element - 49"	

Don't forget, each Yagi is hand tuned on a network analyzer for best power match and lowest VSWR. This is your assurance of the best possible performance every time. Each yagi also ships complete with a high quality cast aluminum cast mounting kit that includes stainless steel hardware and allows vertical or horizontal orientation during install. Whether your installation calls for the super high durability of a fully welded Yagi or the lower cost, yet very high durability of a silver series Yagi, **ANTENEX®** promises to be the correct choice for your demanding application.

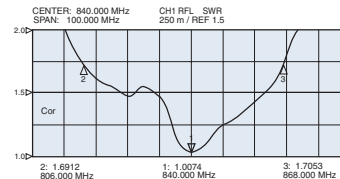
VSWR



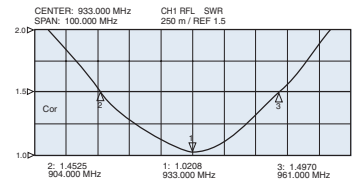
Y1503



Y4506



Y80612



Y8966

Model	Frequency	Elements	Gain	Front-Back Ratio	MSRP
SILVER SERIES VHF MODELS					
YS1363	136-150 MHz	3	7.1 dBd	17 dB	104.00
YS1503	150-174 MHz	3	7.1 dBd	17 dB	104.00
YS1505	150-174 MHz	5	9.2 dBd	20 dB	156.00
YS2165	216-225 MHz	5	9.2 dBd	20 dB	156.00
YS2203	220-250 MHz	3	7.1 dBd	17 dB	104.00
YS2205	220-250 MHz	5	9.2 dBd	20 dB	156.00

SILVER SERIES UHF MODELS					
YS3406	340-360 MHz	6	10.2 dBd	20 dB	114.40
YS4063	406-430 MHz	3	7.1 dBd	17 dB	72.80
YS4065	406-430 MHz	5	9.2 dBd	20 dB	98.80
YS4303	430-450 MHz	3	7.1 dBd	17 dB	72.80
YS4305	430-450 MHz	5	9.2 dBd	20 dB	98.80
YS4306	430-450 MHz	6	10.2 dBd	20 dB	114.40
YS43012	430-450 MHz	12	11 dBd	20 dB	177.65
YS4503	450-470 MHz	3	7.1 dBd	17 dB	72.80
YS4505	450-470 MHz	5	9.2 dBd	20 dB	98.80
YS4506	450-470 MHz	6	10.2 dBd	20 dB	114.40
YS45012	450-470 MHz	12	11 dBd	20 dB	177.65
YS47012	470-490 MHz	12	11 dBd	20 dB	177.65
YS4906	490-512 MHz	6	10.2 dBd	20 dB	114.40

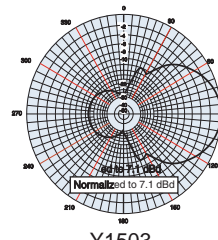
SILVER SERIES 800/900 MHz MODELS					
YS8063	806-896 MHz	3	6 dBd	15 dB	73.50
YS8066	806-896 MHz	6	9 dBd	16 dB	94.50
YS80612	806-896 MHz	12	11 dBd	20 dB	162.00
YS8963	896-970 MHz	3	6 dBd	15 dB	73.50
YS8966	896-970 MHz	6	9 dBd	16 dB	94.50
YS89612	896-970 MHz	12	11 dBd	20 dB	162.00

ENCLOSED 2.4 GHz MODEL					
YE240015	2.4-2.5 GHz		12.5 dBb	20 dB	245.00

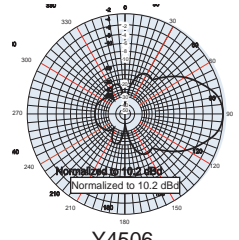
Model	Description	MSRP
ANTENNA MASTS		
YMST4	4"x1-1/4" OD x .065" wall alum. mast	30.15
YMST8	8"x1-1/4" OD x .065" wall alum. mast	90.00
YMST18	18"x1-1/4" OD x .065" wall alum. mast (2p)	187.50

YAGI ACCESSORIES		
LAIL350NN	Inline Lightning Arrestor N to N	79.16
LABH35NN	Bulk Head Lightning Arrestor N to N	79.16
CCT213	Crimp Tool For LMR400	71.95
CN400	N Connector For LMR400	8.00
R400100	100 ft. Roll of LMR400	140.00
R400500	500 ft. Roll of LMR400	650.00

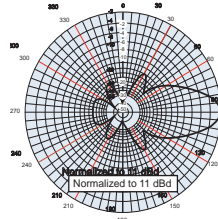
Vertical Field Patterns



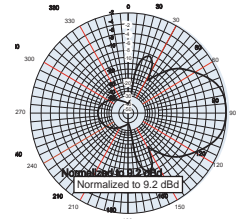
Y1503



Y4506



Y80612



Y8966



Close up of Traditional Gamma Match Silver Series Yagi

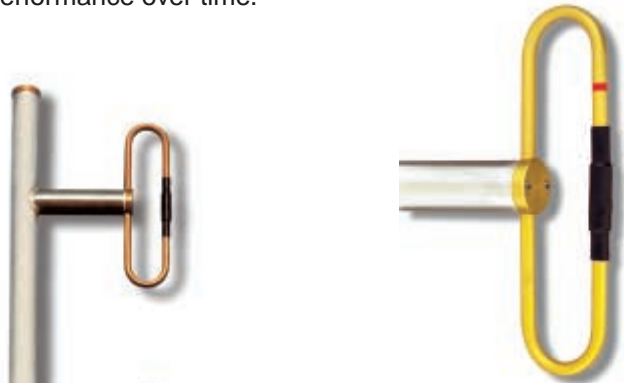


YE 240015 Enclosed Yagi with U-bolts

VHF Yagi antennas have bolted elements and require light assembly to maintain FedEx/UPS shippability. Welded, black anodized Yagi antennas are the same price as gold models. Allow extra delivery time for black models. The Silver Series Yagi antennas have the same great optimized designs and plated brass connectors as our welded gold anodized models. Gold welded 400, 800 and 900 models have internal direct feed matching. All other models have the traditional gamma match feed.

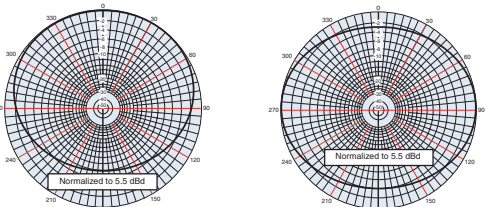
Folded Dipole Array

The **ANTENEX**® Folded Dipole Array is a heavy duty, gold anodized and broadband antenna of the highest quality. This high gain version is available in 1/4 wave and 1/2 wave dipole-to-mast spacing to suit your specific pattern requirements. Ideally suited for multi-coupled systems, it features internal cabling and fixed dipoles. Our antennas are well suited for harsh weather environments where the anodized finish will maintain pattern performance over time.



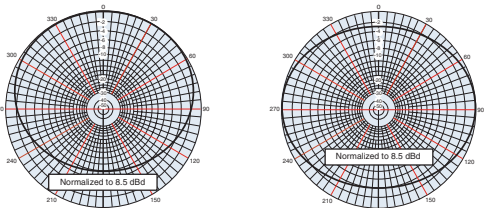
Single Bay Folded Dipole

Vertical Field Patterns



2 Bay 1/4 Wave Spacing

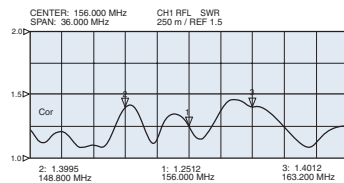
2 Bay 1/2 Wave Spacing



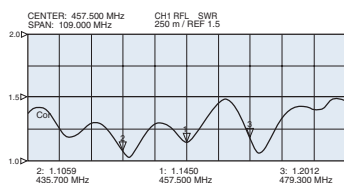
4 Bay 1/4 Wave Spacing

4 Bay 1/2 Wave Spacing

VSWR



YDAF1384-1/4
YDAF1384-1/2



YDAF4034-1/4
YDAF4034-1/2

YDAF4034
Internal Cabling

Ordering Guide - Clear, Easy & Sensible!

YDAF4034 = Welded, Folded Dipole Array, 403-470 MHz, 1/4 wave spacing, 4 Bays

Y	Antenna Style	Y = Welded Folded Dipole Array		
DAF	No-Tune	DAF = Folded Dipole Array		
403	Frequency	Frequency component of part number in bold below: 138-174 220-240 403-470		
4	Bays	2 = 2 Bays, 4 = 4 Bays		
2		Blank = 1/4 wave, 2 = 1/2 wave		

Model	Frequency	Gain	Dipole Spacing	Bays	MSRP
Folded Dipole Array 2 Bay Antennas					
YDAF1382	138-174 MHz	5.5 dB	1/4 wave	2 Bay	725.18
YDAF13822	138-174 MHz	5.5 dB	1/2 wave	2 Bay	725.18
YDAF2202	220-240 MHz	5.5 dB	1/4 wave	2 Bay	612.46
YDAF4032	403-470 MHz	5.5 dB	1/4 wave	2 Bay	725.18

Folded Dipole Array 4 Bay Antennas					
YDAF1384	138-174 MHz	8.5 dB	1/4 wave	4 Bay	1,278.66
YDAF13842	138-174 MHz	8.5 dB	1/2 wave	4 Bay	1,278.66
YDAF2204	220-240 MHz	8.5 dB	1/4 wave	4 Bay	1,135.85
YDAF4034	403-470 MHz	8.5 dB	1/4 wave	4 Bay	1,278.66
YDAF40342	403-470 MHz	8.5 dB	1/2 wave	4 Bay	1,278.66

Model	Description	MSRP
Mounting Options		
FM3	Heavy Duty Large Base Antenna Mount (2)	118.02
FM3W	Heavy Duty Large Base w/ Center Weld (2)	128.75



FM3W- Welded Heavy Duty Mounting Bracket

FM3 - Heavy Duty Mounting Bracket

Technical Data - Product Features & Information

- Bandwidth:**

YDAF1382: 138-174	YDAF1384: 138-174
YDAF2202: 220-245	YDAF2204: 220-245
YDAF4032: 403-470	YDAF4034: 403-470
- Power Rating:** 300 watts all models
- Lightning Protection:** DC Ground (all models)
- Height:**

YDAF1382: 120 in.	YDAF1384: 240 in.
YDAF2202: 96 in.	YDAF2204: 168 in.
YDAF4032: 80 in.	YDAF4034: 120 in.
- Weight:**

YDAF1382: 18 lbs.	YDAF1384: 56 lbs.
YDAF2202: 22 lbs.	YDAF2204: 36 lbs.
YDAF4032: 12 lbs.	YDAF4034: 15 lbs.
- Rated Wind Velocity:**

YDAF1382 / 1384: 120 mph.
YDAF 2202 / 2204: 150 mph.
YDAF 4032 / 4034: 150 mph.
- Mast:** 2.4 inch O.D. all models.
- Temperature:** to 150° F
- Termination:** 24 inch RG213 coax with N Female Connector

Dipole Array & Power Dividers



Don't let the price of our YDA Dipole antenna mislead you. This is a serious antenna with high class features, such as full gold anodization, fully welded elements, and nickel plated brass "N" connector. Our two and four bay dipole antenna array provides unmatched flexibility for both radiation pattern and frequency adjustment. Dipole Arrays will give you complete control over the frequency and power balance for your installation and may be mounted in configurations to create customized broadside, omnidirectional, or end fire patterns. Each model includes mounting kits for each dipole and a power divider for each system, and are FedEx/UPS shippable.



Dipole Array - YDA4504



Power Divider - YPD**4N

Custom pattern information is not provided for these arrays. They should therefore be installed by experienced installation technicians only.

Ordering Guide - Clear, Easy & Sensible!

YDA4504 = Dipole Array, 450-470 MHz, 4 Dipole Bays.

YDA	Antenna Style	YDA = Dipole Array		
450	Frequency	Frequency component of part number in bold below:		
		136-150	150-174	450-470
		470-490	490-512	
4	Quantity of Bays	2 = Dipole Bays 4 = Dipole Bays		

Mounting Brackets with stainless steel hardware included at no charge.

Model	Frequency	Omni Gain	Offset Gain	Dipole Bays	MSRP
DIPOLE ARRAYS 2 BAYS					
YDA1502	150-174	3 dB	6 dB	2	151.50
YDA4502	450-470	3 dB	6 dB	2	151.50
SINGLE OR REPLACEMENT DIPOLES					
YDA***1	Specify Freq. Unity		N/A		62.30
DIPOLE ARRAYS 4 BAYS					
YDA1364	136-150	6 dB	9 dB	4	309.00
YDA1504	150-174	6 dB	9 dB	4	309.00
YDA4504	450-470	6 dB	9 dB	4	309.00
YDA4704	470-490	6 dB	9 dB	4	309.00
YDA4904	490-512	6 dB	9 dB	4	309.00

ANTENNA MASTS

YMST4	4' X 1-1/4" OD X .065" wall aluminum mast	28.54
YMST8	8' X 1-1/4" OD X .065" wall aluminum mast	85.20
YMST18	18' X 1-1/4" OD X .065" wall alum mast (2pc)	187.50

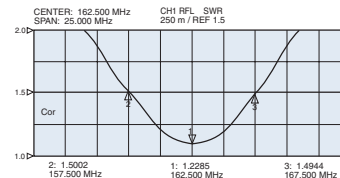
Model	Description	MSRP
REPLACEMENT POWER DIVIDERS / STACKING HARNESSSES		
YPD***2N	For 2 bay array or to stack 2 Yagis (N)	52.10
YPD***2P	For 2 bay array or to stack 2 Yagis (PL259)	26.05
YPD***4N	For 4 bay array (N)	119.83
YPD***4P	For 4 bay array (PL259)	67.73
YPD8**2N	For stacking 2 800 MHz Yagis (N)	52.10
YPD9**2N	For stacking 2 900 MHz Yagis (N)	52.10

For a dipole array power divider, *** = Band.
For a stacking harness, *** = Center Frequency.
N suffix for type N connector harness.
P suffix for PL259 connector harness.

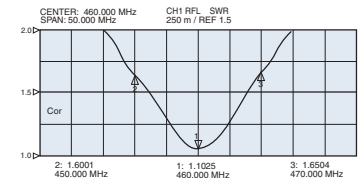
Technical Data - Product Features & Information

- **VSWR:** <1.5:1
- **Max Power:** 300 watts
- **Impedance:** 50 ohms
- **Termination Type:** N Female and SO239 upon request
- **Lightning Protection:** DC Ground
- **Vertical Beam at 1/2 Power:**
 - Unity - 90 degrees
 - 3 dB - 39 degrees
 - 6 dB - 24 degrees
 - 9 dB - 15 degrees
- **Mast Size Needed:**
 - VHF** 3 dB - 8 ft.
 - 6 dB - 18 ft.
 - UHF** 3 dB - 4 ft.
 - 6 dB - 8 ft.
- **Element Material:** 3/8" diameter solid 6061-T6 aluminum rod
- **Wind Survival:** 100 M.P.H.
- **Boom Material:** Heat treated 6061-T6 aluminum tube.
- **Hardware:** Stainless steel U-Bolt included.

VSWR

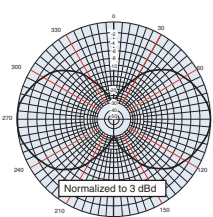


YDA1502

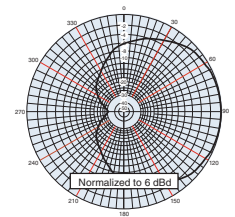


YDA1502

Vertical Field Patterns



YDA1502
Omnidirectional Pattern



YDA1504
Offset Pattern

In today's cluttered repeater environments, intermod solutions are the site manager's goal. The **StarGate™** product line from **ANTENEX®** is the solution to this problem.

The precise design of our intermod panels can reduce IM products by better than 35 dB, restoring receiver integrity in a harsh environment.

Don't be fooled by the phrase "Mobile Duplexer". Our rugged pass reject duplexers are perfect for your low power repeater operations. Our commitment to the site manager doesn't end there. **ANTENEX®** went the extra mile to provide an even higher quality "pass notch" rack mount base duplexer.

Perhaps you installed all new cables on your new trunking system and cut them to minimum lengths to save line loss and suddenly you notice that some devices run hot! Using line matchers will reduce heat caused by mismatched cable lengths that create inductive or capacitive loads, thus restoring 50 ohms to your feed lines.

Once you have your transmitter in shape, don't neglect the receiver. **ANTENEX®** receiver amplifiers provide 16 dB gain or better with a low noise figure to complete your system.

NOTE: Free freight policy does not apply to some **StarGate™** models.



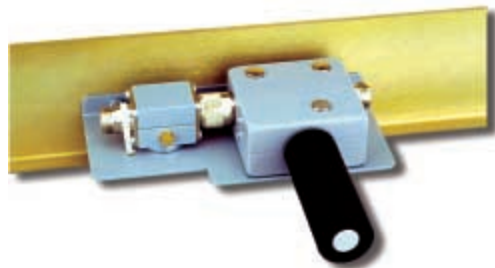
SGRA216B - Rx Amplifier



SGDM138B - Mobile Duplexer



SGDB440N - Base Duplexer



SGIP150N - Intermod Panel

Ordering Guide - Clear, Easy & Sensible!

SGDM150B - StarGate™ Mobile Duplexer, 150 MHz, BNC connector

SG	Style	SG = StarGate™ Line			
DM	Type	DM = Mobile Duplexer	DB = Base Duplexer		
		IP = Intermod Panel	IS = Isolator		
		RA = Amplifier	LM = Line Matcher		
150	Frequency	108-300	138-174	144-190	146-174
		150-225	216-225	300-650	406-512
		440-512	650-1000	806-960	
B	Connector	B = BNC	N = N connector		

When ordering, please indicate TX frequency and RX frequency

Model	Description	Connector	Frequency	MSRP
SGDM138B	Mobile Duplexer	BNC	138-174MHz	598.97
SGDM440B	Mobile Duplexer	BNC	440-512 MHz	598.97
SGDM806B	Mobile Duplexer	BNC	806-894 MHz	598.97
SGDM138N	Mobile Duplexer	N	138-174 MHz	598.97
SGDM440N	Mobile Duplexer	N	440-512 MHz	598.97
SGDM806N	Mobile Duplexer	N	806-894 MHz	598.97
SGDB144N	Base Duplexer	N	144-190 MHz	1,265.00
SGDB440N	Base Duplexer	N	440-512 MHz	1,197.92
SGIP150N	Intermod Panel	N	150-300 MHz	1,288.52
SGIP300N	Intermod Panel	N	300-650 MHz	1,199.66
SGIS150N	Isolator	N	150-225 MHz	677.59
SGIS300N	Isolator	N	300-650 MHz	644.26
SGLM108N	Line Matcher	N	108-300 MHz	188.84
SGLM300N	Line Matcher	N	300-650 MHz	188.84
SGLM650N	Line Matcher	N	650-1000 MHz	188.84
SGRA146B	RX Amplifier	BNC	146-174 MHz	688.69
SGRA216B	RX Amplifier	BNC	216-225 MHz	710.91
SGRA406B	RX Amplifier	BNC	406-512 MHz	733.13
SGRA806B	RX Amplifier	BNC	806-960 MHz	821.99



SGLM108N - Line Matcher



SGIS150N - Isolator

Technical Data - Product Features & Information

Description	Frequency Band	Input Power	Isolation	Cavities
● Mobile Duplexer	138-174 MHz	40 WATTS	70+ dB	6
	440-512 MHz	40 WATTS	70+ dB	6
	138-174 MHz	40 WATTS	70+ dB	6
	440-512 MHz	40 WATTS	70+ dB	6
	806-894 MHz	40 WATTS	80+dB	6
● Base Duplexer	144-190 MHz	100 WATTS	80 dB	4
	440-512 MHz	100 WATTS	80 dB	4
● Intermod Panel	150-300 MHz	125 WATTS	35+dB	
	300-650 MHz	125 WATTS	35+dB	
● Isolator	150-225 MHz	20 WATTS	35+dB	
	300-650 MHz	20 WATTS	35+dB	

DESCRIPTION	Frequency Band	Input Power	Insertion Loss
● Line Matcher	108-300 MHz	250 WATTS	0.15 dB
	300-650 MHz	250 WATTS	0.15 dB
	650-1000 MHz	250 WATTS	0.15 dB

Description	Frequency Band	Gain	Noise Figure	Bias Voltage
● RX Amplifier	146-174 MHz	18.5 dB	3.0 dB	13.6V
	216-225 MHz	16.0 dB	3.5 dB	13.6V
	406-512 MHz	24.5 dB	2.4 dB	13.6V
	806-960 MHz	19.0 dB	3.4 dB	13.6V

Installation Accessories



The BLACKHAWK™ Noise Suppressor.

The NS3035 noise suppressor is a general purpose low pass filter used to reduce power line noise in both audio frequency and RF ranges. Rated at a full 30 amps, this product can be used in heavy equipment and even with marine 24 volt systems. It will protect sensitive communication devices from large transient spikes which are commonly generated by the ignition system.

The NS3035 noise suppressor features a high impact molded plastic housing with encapsulated components in a waterproof, vibration proof compound. Heavy gauge wire and a high current rating make this product the ideal add-on for the professional two-way radio, cellular, marine, C.B., or car audio installation.

Model	Description	MSRP
BLACKHAWK™ Noise Suppressor Models		
NS1535	1-35 Volt 15 Amp Noise Suppressor	28.00
NS3035	1-35 Volt 30 Amp Noise Suppressor	40.00



NS1535 & NS3035 Noise Suppressors

The X-ACT™ Hole Saw.

A radio antenna installer's tool box just wouldn't be complete without the **ANTENEX® X-ACT™**. The X-ACT™ cuts a precise hole in the vehicle mounting surface to allow the installation of industry standard **ANTENEX®** 3/4" permanent hole mounts. This innovative, one piece monolithic body design is machined from a single piece of hardened steel. It will not disassemble on the job!

The X-ACT™ features a replaceable self-centering pilot drill (HS34DB) that prevents dangerous "walking" of the saw and a replaceable hardened saw blade (HS34RB). The X-ACT™ also features a 1/8" depth limit that will prevent damage to the underlying headliner, yet it is deep enough to cut through thicker aluminum surfaces encountered on utility vehicles and ambulances. The X-ACT™ is designed for a 3/8" drill chuck and is nickel plated to guard the tool against corrosion. The X-ACT™ may also be used in other applications where a 3/4" hole is needed and depth is critical. Now in 3/8" also!

Model	Description	MSRP
X-ACT™ Hole Saw		
HS34	3/4" Hole Saw	30.00
HS38	3/8" Hole Saw	30.00

X-ACT™ Hole Saw Accessories		
HS34RB	3/4" Hole Saw Replacement Blades (2)	11.03
HS34DB	3/4" Hole Saw Replacement Pilot Drill Bit	5.78
HS38DB	3/8" Hole Saw Replacement Pilot Drill Bit	5.78



HS34 X-ACT™ Hole Saw

HS38 X-ACT™ Hole Saw

US Patent: #D377495 International Patents Pending.



HS34DB

HS38DB

HS34RB

The TRAPPER™ Lightning Arrester.

When installed properly in the feedline, the **ANTENEX® TRAPPER™** lightning arrester can prevent costly repairs to sensitive radio equipment due to high energy transients during lightning strikes. The TRAPPER™ limits surges to less than 45 volts in approximately 100 nanoseconds. A gas discharge tube changes from an open circuit to a short circuit in the presence of energy and voltage surges giving those surges a direct path to ground, thus protecting equipment.

TRAPPER™ is designed with a rugged, gold anodized housing with high quality plated brass "N" connector and a user replaceable gas discharge tube (LA350GT). The TRAPPER™ comes in two models; the LABH350 which allows for bulk head mounting and connector pass-through, and the LAIL350 which allows in-line placement only.

Model	Description	MSRP
TRAPPER™ Lightning Arrester		
LABH350NN	Bulk Head Lightning. Arrester N to N	79.16
LAIL350NN	Inline Lightning. Arrester N to N	79.16
LAIL350PP	Inline Lightning. Arrester SO239 to SO239	74.16
LA350GT	Replacement Gas Tube for LA350 Models	18.00



LABH350NN - Bulkhead Lightning Arrestors N to N

LAIL350NN - Inline Lightning Arrester N to N

Technical Data - Product Features & Information

- **Maximum Power:** 1000 watts - P.E.P. 0-1000MHz
- **Breakdown Voltage:** 350 Vac
- **Impedance:** 50 ohms
- **Insertion Loss:** 27-500 MHz < 0.1 dB
1000 MHz < 0.25 dB
- **VSWR:** 0-150 MHz < 1.1:1
150-1000 MHz < 1.2:1
- **Protection:** 5000 amps

Portable Antennas

ANTENEX® portable antennas are manufactured with great structural integrity for maximum durability. Each antenna is individually tuned to standard frequency bands or your specific fixed transmit frequency for full gain and pattern performance. All connectors are machined to the highest tolerance and integrally secured for longer life.

LOW BAND 27-88 MHz

Description No. Model	Frequency	Connector	MSRP
1. DEXL (specify TX)	25-88	HT, KR, MX	40.60
		BNX, TNX	44.63

This antenna is injection molded with a strain relief base. This base loaded antenna is factory tuned to your specific transmit fixed frequency. Approximately 11" long.

Specifically tuned lowband antennas are custom.

1. DEXL	25-29, 30-35,	HT, KR, MX	40.60
	36-41, 42-50,	BNX, TNX	44.63
	66-75, 76-88		

This antenna is injection molded with a strain relief base. This antenna is completely field tunable via its adjustable base loading coil. It is available in 6 tunable bands. Approximately 11" long.

2. DEXW	30-88	BNX, TNX	39.27
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This antenna is an injection molded, highly efficient, continuous coverage, broadband model. Approximately 12" long.

VHF 118-225 MHz

3. DEXB (specify TX)	118-127, 127-136	HT, KR, MX	16.58
	136-144, 144-148	BN, BNX, SF	20.66
	148-155, 150-166	SFJ, SFU, SM	
	164-174, 220-225	TN, TNX, PL	

Injection molded, helically wound, highly efficient 1/4 wave antenna with strain relief base. High durability. Approximately 6" long.

4. DEXS (specify TX)	118-127, 127-136	HT, KR, MX	17.60
	136-144, 144-148	BN, BNX, SF	21.73
	148-155, 150-166	SFJ, SFU, SM	
	164-174, 220-225	TN, TNX	

Injection molded shortened 1/4 wave, highly durable, helically wound with strain relief base. Approximately 3 1/2" long.

5. DEXR (specify TX.)	136-220, 144-148	BN, KR,	31.37
	148-155, 150-166	MX, TN	
	164-174, 220-225		

1/4 wave helically wound coaxial antenna with an adjustable (0-90°) connector. Approximately 7 1/2" long.

VHF 118-225 MHz (Continued)

6. DEXW	136-162, 148-174	BNX, MX, TNX	39.27
	220-225, 225-240		

Broadband portable antenna. Two models cover the entire VHF band. Approximately 8 3/4" long.

7. DTS	118-174	HT, KR, MR	29.07
	Continuous	MX, BN, TN	40.29
	(Order 150)		

Full length telescopic 1/4 wave antenna with a flexible spring base. Approximately 21" long and collapses down to approximately 7 1/2".

8. DV (specify TX)	118-127, 127-136	HT, KR, MX	17.34
	136-144, 144-148	BN, TN	21.42
	148-155, 150-166		
	164-174, 220-225		

PVC encapsulated shrink full length 1/4 wave with tapered cable design. Approximately 17" long.

UHF 300-512 MHz and Dual Band

9. DEXC	308-322, 312-318	HT, KR, MD	16.58
	400-420, 420-450	MX, BN, BNX	20.66
	450-470, 470-512	MR, SF, SFJ	
		SFU, TN, TX	

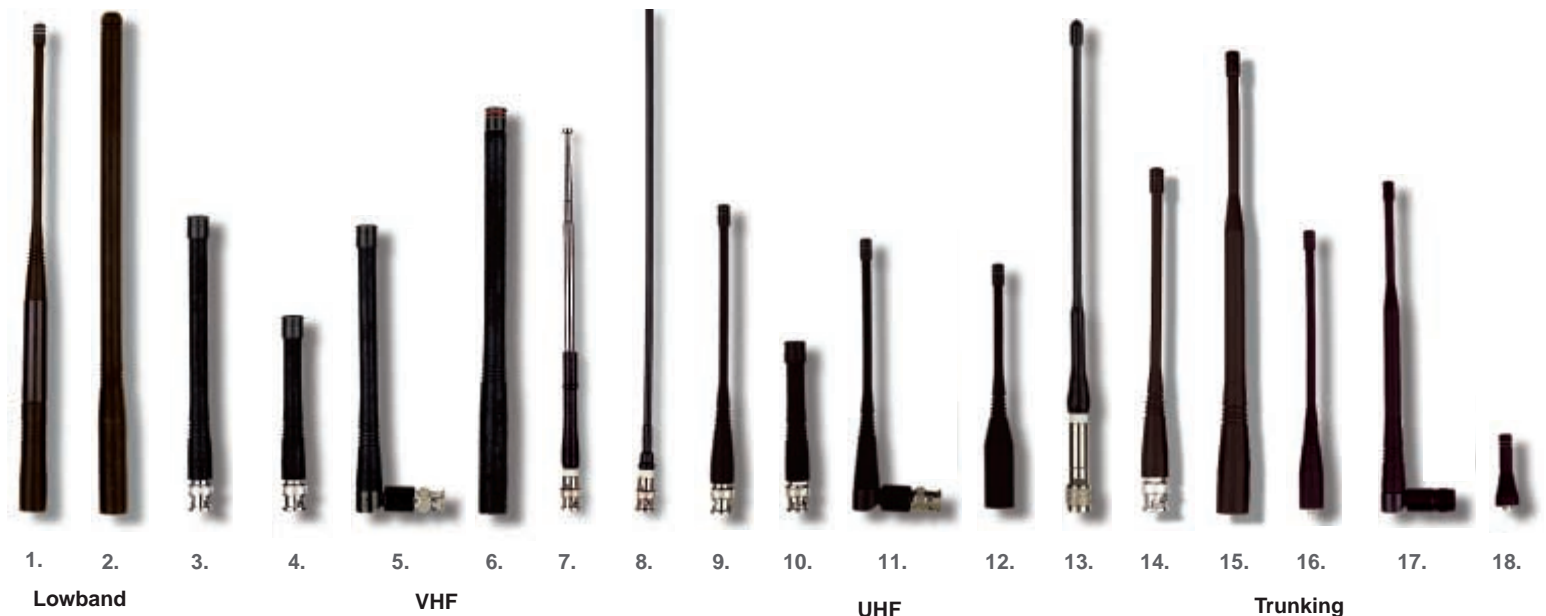
This antenna is an injection molded flexible cable design. The antenna is 1/4 wavelength and is highly durable due to its strain relief base. Approximately 6" long.

10. DEXD	308-322, 312-318	HT, KR, MD	17.65
	400-420, 420-450	MX, BN, BNX,	21.78
	450-470, 470-51	MR, SF, SFJ,	
		SFU, SM, TN, TNX	

This antenna is an injection molded, shortened, helically wound design. The antenna is 1/4 wavelength and has a highly durable strain relief base. Approximately 3" long.

11. DEXR	308-322, 312-318	KR, MX	26.98
	400-420, 420-450	BN, TN	31.37
	450-470, 470-51		

This coaxial antenna is an injection molded 1/2 wavelength design. This antenna includes an adjustable (0-90°) locking connector. The overall length is approximately 6 1/2".



Description
No. Model Frequency Connector MSRP
UHF 300-512 MHz and Dual Band (Continued)

12. DEXW 400-512 BNX, TNX 39.27

This antenna is a highly efficient, injection molded, broadband design. There is only one model for entire UHF Band! The overall length is 4 1/4".

13. DG 400-420, 420-450 BN, TN 28.75
 450-470, 470-512

This injection molded, highly durable, dual band antenna is made for your specific amateur or commercial band needs. The overall length is approximately 6 1/4".

TRUNKING AND SMR APPLICATIONS

14. DEXC 806-866 HT, KR, MD, 16.58
 821-902 MX, BN, BNX, 20.66
 902-960 MR, SF, SFJ, SFU, SM, TN, TNX

This antenna is injection molded with a 1/4 wavelength flexible cable design antenna. This antenna is highly durable due to its strain relief base. The overall length is approximately 4".

15. DEXE 806-866 BN, BNX, MD, 30.96
 821-902 SF, SFU, SM
 902-960 TN, TNX
 2400-2500

This injection molded 2.5 dB 1/2 wavelength dipole antenna is highly durable due to its strain relief base. The overall length of this antenna is 8".

16. DEXP 806-866 SF, SFJ, SFU, 34.94
 902-960 SMS, SFJ, SFU

This injection molded antenna is an end fed 1/2 wavelength 2.5 dB gain model. It is available up to 941 MHz. The overall length of this antenna is 6 1/2".

17. DEXR 806-866 BN, MU, TN 31.37
 821-902
 902-960
 1850-1970 BN, TN 31.37
 2400-2500 TN 31.37

The antenna is a 1/2 wavelength 2.5 dB right angle. The overall length of this antenna is 8".

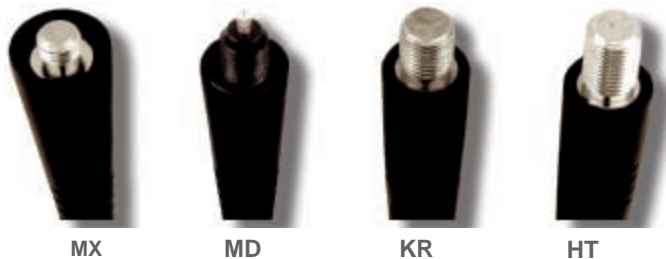
18. DEXS 806-866 TN, MD, SF, 21.73
 902-960 SFJ, SFU, SM, SMS,

This injection molded helically wound 1/4 wavelength antenna is available up to 960 MHz. The overall length of this antenna is 2 1/4".

Threaded Connector Guide

Threaded Connectors

- MX:** 1/4-32 x 7/32. For Motorola® MX, P100, P110, P200, GP300, MT1000, HT10, HT50, HT600, Radius®, Saber®, Spirit®, Expo®, Kenwood® TK230, TK250, TK340, TK350; Maxon® SP120, SP2550, SL70; Midland®; Wilson® MH200.
- MD:** (Molded antennas only) M7 x 1.0. For GE®, MPA, MPD, MTL, TPX.
- KR:** 5/16-32x 3/8. For King Radio®; Ritron® Jobcom™.
- HT:** 5/16-32 x 1/2 For Motorola® HT200, HT210, MH, MT, MT500, MX600; older Ritron®; older Uniden®. Insulated base very common thread.



Ordering Guide - Clear, Easy & Sensible!

DV144TN = DV Style Antenna, 144-148 MHz, with a TNC Male Connector

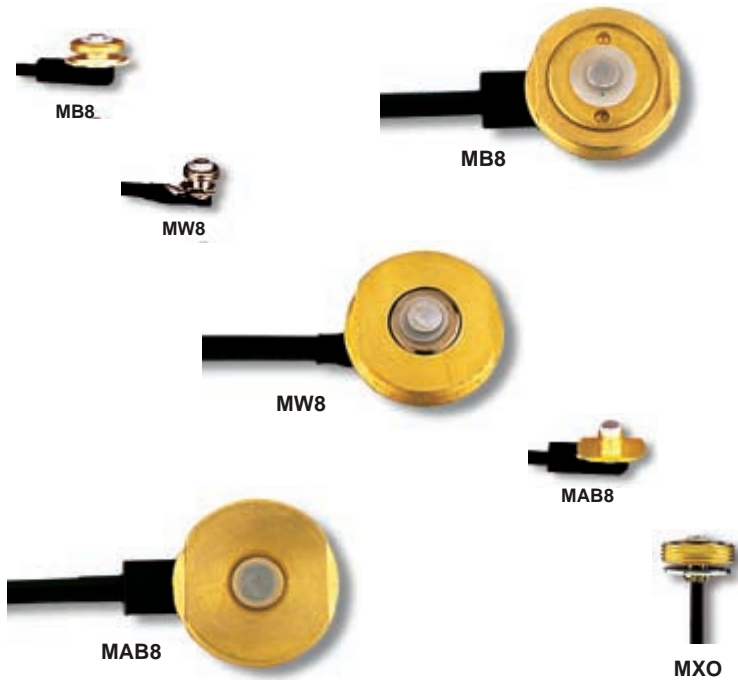
DV 144	Antenna Style	DDR, DESC, DEXB, DEXC, DEXD, DEXE, DEXES, DEXG, DEXP, DEXR, DEXS, DEXW, DG, DTE, DTS, DV			
	Frequency	Frequency component of part number in bold below:			
		118-127	127-136	136-144	144-148
		148-155	150-166	164-174	220-225
	308-322	312-318	400-420	420-450	
	450-470	470-512	806-866	821-902	
	902-960	2400-2500			
TN	Connector Style	HT, KR, MD, MX, = Threaded connectors BN, BNX, MR, PL, SF, SFJ, SFU, SM, SMS, TN, TNX = Coax connectors.			

Coaxial Connector Guide

- BN:** BNC Male. For all equipment requiring BNC, including GE® MPI, PLS, PCS; Kenwood® TK-100, TK-210, TK-300; Motorola® HT440, HT90; old Maxon®; E.F. Johnson® 577, 578.
- BNX:** Covered BNC Male. Same as above. (molded antennas only). For Bearcat® Trunktracker™, and the Maxon® CP series.
- MR:** 12-28 Female. For GE,MPR,MPX, MPS.
- SF:** (Molded antennas only). Special SMA Connector Female. For Motorola® 800 MHz, MX360, STX, MTX800, HT1000, MT1000, MT2000, MTX8000, MTX9000, VISAR; Kenwood TK430, SEA700
- SFJ:** (Molded antennas only). For E.F. Johnson® 8790; Kenwood® TK480, TK481. (No skirt).
- SFU:** (Molded antennas only). King Radio® 800 MHz, Uniden® 800 MHz, newer VHF/UHF, SPU416K, SPU48K.
- SM** (Molded antennas only). SMA Connector Male. For GE® Marc V™ 800 MHz, STS®, Technophone®, Standard® HX585.
- TN:** TNC Male. For all equipment requiring TNC, Speaker/mic. Icom® ICU18, Standard® HX-340.
- TNX:** Covered TNC Male (Molded antennas only).

Permanent Hole Mounts

Our brass mounts are the finest in the industry. Designed properly for the application, the mount utilizes a brass alloy with a Rockwell® 78 hardness. Another feature not found in competitive mounts is a fully silver soldered ground lug. It's the best way to eliminate the noise and static brought on by the rust and corrosion that is inevitable with ordinary crimped steel mounts. If you don't see your combination here, just call us. We will quickly quote your custom cable and connector requirement. As always, pricing is the same for brass (MB) series or standard steel (M) series hole mounts in the same cable and connector configuration.



Model	Connector Type	MSRP
3/4" or 3/8" HOLE ALTERNATIVE MOUNTS		
MBO	For use with RG58 size Cable	7.29
MBOX	For RG8X size Cable	7.29
MBOF	For Teflon® Cable	7.29
MABO	Standard Mount	7.29
MABTO	Thick Plate Mount for 3/16" to 1/4" Thick Mount Surfaces	7.29
MXGP	3/8" snap-in Ground Plane Mount	21.00
MXO	Snap-in Mount	9.90
MWO	Drop-in Mount can be installed from outside the vehicle	7.29

5/8" HOLE ALTERNATIVE MOUNTS

VTPM	1" Thick Plate Mount (UHF Barrel)	24.00
VTPM800	3/8" Thick Plate Mount (N Barrel)	29.00



A full line of permanent mounts and accessories, including custom cable lengths are available. Please call or visit our web site at <http://www.antenex.com> for more information. Look on page 39 for specifications on the different cables.

Ordering Guide - Clear, Easy & Sensible!

MB8PSI14 = 3/4" Brass Mount, PL259 Solder Installed, 14' of RG58A/U

MB	Mount Style & Hole Style	M = 3/4" Steel Hole Mounts MAB = 3/8" Brass Hole Mounts MABT = 3/8" Brass Mounts for Thick Plate MB = 3/4" Brass Hole Mounts MW = 3/8" Drop-in Hole Mount MX = 3/8" Brass Snap-in Hole Mount
8	Cable Style	8 = RG58A/U 8X = RG8X "low loss" F = Teflon® Coax Cable 8U = RG58U D = Teflex™ O = Only (Mount Only-No Cable)
PS	Connector Style	Blank = No connector PS = PL259 solder NS = N solder P = PL259 crimp M = Mini UHF crimp B = BNC crimp N = N crimp PST = PL259 solder Teflon® T = TNC crimp SM = SMA Crimp
I	Installation Option	Blank = Loose connector I = Installed connector (Add \$1.00 for crimp, \$1.50 for solder.)
14	Cable Option	Blank = Standard 17 ft. cable length. 14 = Optional 14 ft. cable length.

Model	Connector Type	MSRP
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3/4 HOLE BRASS MOUNTS

Models with 17' of RG58A/U Stranded Center Conductor Cable

MB8	No Connector	15.50
MB8B	BNC Crimp	18.00
MB8M	Mini UHF Crimp	18.00
MB8N	N Crimp	23.50
MB8NS	N Solder	25.00
MB8P	UHF (PL259) Crimp	18.00
MB8PS	UHF (PL259) Solder	18.31
MB8PST	UHF (PL259) Teflon® Solder	20.00
MB8T	TNC Crimp	18.00

Models with 17' of RG58U Solid Center Conductor Cable

MB8U	No Connector	17.50
MB8UB	BNC Crimp	20.00
MB8UM	Mini UHF Crimp	20.00
MB8UN	N Crimp	25.50
MB8UNS	N Solder	27.00
MB8UP	UHF (PL259) Crimp	20.00
MB8UPST	UHF (PL259) Teflon® Solder	22.00
MB8UT	TNC Crimp	20.00

Models with 17' of RG8X Low Loss Solid Center Conductor Cable

MB8X	No Connector	19.75
MB8XB	BNC Crimp	22.25
MB8XM	Mini UHF Crimp	22.25
MB8XN	N Crimp	27.75
MB8XNS	N Solder	29.75
MB8XP	UHF (PL259) Crimp	22.25
MB8XPST	UHF (PL259) Teflon® Solder	24.77
MB8XT	TNC Crimp	22.25

Models with 17' of Teflex™ Coax

MBD	No Connector	22.92
MBDB	BNC Crimp	25.42
MBDM	Mini UHF Crimp	25.42
MBDN	N Crimp	30.92
MBDNS	N Solder	32.42
MBDP	UHF (PL259) Crimp	25.42
MBDPST	UHF (PL259) Teflon® Solder	27.42
MBDT	TNC Crimp	25.42

Models with 17' of Teflon® Cable

MBF	No Connector	44.00
MBFB	BNC Crimp	46.50
MBFM	Mini UHF Crimp	46.50
MBFN	N Crimp	52.00
MBFNS	N Solder	53.50
MBFP	UHF (PL259) Crimp	46.50
MBFPST	UHF (PL259) Teflon® Solder	48.50
MBFT	TNC Crimp	46.50

Model	Connector Type	MSRP
3/8 HOLE BRASS MOUNTS		
Models with 17' of RG58A/U Stranded Center Conductor Cable		
MAB8	No Connector	15.50
MAB8B	BNC Crimp	18.00
MAB8M	Mini UHF Crimp	18.00
MAB8N	N Crimp	23.50
MAB8NS	N Solder	25.00
MAB8P	UHF (PL259) Crimp	18.00
MAB8PS	UHF (PL259) Solder	18.31
MAB8PST	UHF (PL259) Teflon® Solder	20.00
MAB8T	TNC Crimp	18.00

Models with 17' of RG58U Solid Center Conductor Cable		
MAB8U	No Connector	17.50
MAB8UB	BNC Crimp	20.00
MAB8UM	Mini UHF Crimp	20.00
MAB8UN	N Crimp	25.50
MAB8UNS	N Solder	27.00
MAB8UP	UHF (PL259) Crimp	20.00
MAB8UPST	UHF (PL259) Teflon® Solder	22.00
MAB8UT	TNC Crimp	20.00

Models with 17' of RG8X Low Loss Solid Center Conductor Cable		
MAB8X	No Connector	19.75
MAB8XB	BNC Crimp	22.25
MAB8XM	Mini UHF Crimp	22.25
MAB8XN	N Crimp	27.75
MAB8XNS	N Solder	29.75
MAB8XP	UHF (PL259) Crimp	22.25
MAB8XPST	UHF (PL259) Teflon® Solder	24.77
MAB8XT	TNC Crimp	22.25

Models with 17' of Teflex™ Coax		
MABD	No Connector	22.92
MABDB	BNC Crimp	25.42
MABDM	Mini UHF Crimp	25.42
MABDN	N Crimp	30.92
MABDNS	N Solder	32.42
MABDP	UHF (PL259) Crimp	25.42
MABDPST	UHF (PL259) Teflon® Solder	27.42
MABDT	TNC Crimp	25.42

MOBILE-TO-BASE CONVERTERS

MBC	Mobile-to-base converter for VHF and UHF, SO239 Terminated	30.40
MBCN	Mobile to Base Converter for VHF and UHF, N Terminated	30.40
MBC800	Mobile-to-base converter for 800 and 900 MHz, N Terminated	30.40
MBC800LBT	Mobile-to-base converter for 800 and up, wall mount, N Terminated	30.40



MBC800
With Optional B8063

REMEMBER... ANTENEX® produces the finest all-brass mounts in the industry featuring iridized brass with a Rockwell® brass hardness of 78 and a fully silver soldered ground lug. It's the best way to eliminate the noise and static brought on by the rust and corrosion that is inevitable with ordinary mounts. The mount will **never** rust!



Brass MB Series
Silver Soldered Lug

All **ANTENEX®** mounts are 100% continuity and resistance tested. Each mount is constructed with the standard **ANTENEX®** small high performance center contact.

Thick Mount Cable Kits - MABT

ANTENEX® has the mount for you. This 3/4 or 3/8 brass mount installs in a plate up to 1/4 inch thick which makes any tough install easier. The MABT is available with many different cable and connector options.



MABTO



Traditional Steel
M Series Lug

Model	Connector Type	MSRP
3/4-3/8 Thick Mount		

Models with 17' of RG58A/U Stranded Center Conductor Cable		
MABT8	No Connector	15.50
MABT8B	BNC Crimp	18.00
MABT8M	Mini UHF Crimp	18.00
MABT8N	N Crimp	23.50
MABT8NS	N Solder	25.00
MABT8P	UHF (PL259) Crimp	18.00
MABT8PS	UHF (PL259) Solder	18.31
MABT8PST	UHF (PL259) Teflon® Solder	20.00
MABT8T	TNC Crimp	18.00

Models with 17' of RG58U Solid Center Conductor Cable		
MABT8U	No Connector	17.50
MABT8UB	BNC Crimp	20.00
MABT8UM	Mini UHF Crimp	20.00
MABT8UN	N Crimp	25.50
MABT8UNS	N Solder	27.00
MABT8UP	UHF (PL259) Crimp	20.00
MABT8UPST	UHF (PL259) Teflon® Solder	22.00
MABT8UT	TNC Crimp	20.00



MBC800LBT

The MBC800LBT is specifically designed for Data, SCADA and PCS applications. It is perfect for wall mounting the **Phantom®** Antenna.

Magnetic Mounts - Strong and Reliable

Ordering Guide - Clear, Easy & Sensible!

GBR8PI = Black, Magnetic Mount, w/Rubber Boot, 12' of RG58A/U, PL259 Crimp Installed

G	Mount Style & Hole Size	G = Magnetic Mount Style	
B	Finish	Blank = Chrome B = Black	
R	Rubber Boot	Blank = No Rubber Boot R = Rubber Boot	
8	Cable Style	8 = RG58A/U 8X = RG8X "low loss" F = Antenex Teflon® Coax Cable	8U = RG58U D = Teflex™
P	Connector Style	Blank = No connector PS = PL259 solder NS = N solder P = PL259 crimp M = Mini UHF crimp	B = BNC crimp N = N crimp PST = PL259 solder Teflon® T = TNC crimp SM = SMA crimp
I	Installation Option	Blank = Loose connector I = Installed connector (Add \$1.00 for crimp, \$1.50 for solder.)	

BLANK Cable Length **Blank** = 12 ft. is standard on magnetic mounts.
*** = User defined length.

Model	Description	MSRP
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3/4" STYLE MAGNETIC MOUNTS

Chrome Models with 12' of RG58A/U Stranded Center Cable

G8	No Connector	31.06
G8B	BNC Crimp	33.13
G8M	Mini UHF crimp	33.13
G8N	N Crimp	39.46
G8NS	N Solder	41.03
G8P	UHF (PL259) Crimp	33.13
G8PI	UHF (PL259) Crimp, Installed	35.78
G8PS	UHF (PL259) Solder	34.01
G8PST	UHF (PL259) Teflon® Solder	35.78
G8T	TNC Crimp	33.68

Chrome Models with 12' of RG58U Solid Center Conductor Cable

G8U	No Connector	37.80
G8UB	BNC Crimp	40.43
G8UM	Mini UHF Crimp	40.43
G8UN	N Crimp	46.20
G8UNS	N Solder	47.78
G8UP	UHF (PL259) Crimp	40.43
G8UPST	UHF (PL259) Teflon® Solder	42.53
G8UT	TNC Crimp	40.43

Chrome Models with 12' of Antenex RG8X Low Loss Cable

G8X	No Connector	38.85
G8XB	BNC Crimp	42.79
G8XM	Mini UHF Crimp	42.79
G8XN	N Crimp	47.25
G8XNS	N Solder	49.35
G8XP	UHF (PL259) Solder	42.79
G8XPST	UHF (PL259) Teflon® Solder	43.58
G8XT	TNC Crimp	41.48

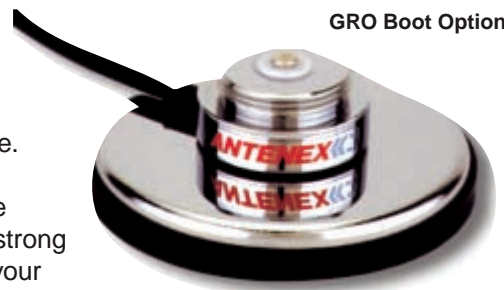
Chrome Models with 12' of Teflex™ Cable

GD	No Connector	37.19
GDB	BNC Crimp	39.82
GDM	Mini UHF Crimp	39.82
GDN	N Crimp	45.59
GDNS	N Solder	47.17
GDPI	UHF (PL259) Crimp, Installed	41.92
GDPST	UHF (PL259) Teflon® Solder	41.92
GDT	TNC Crimp	39.82

GRO Rubber Boot add: 3.13
For Black on all models add: 4.30

Call for pricing on custom cable and connector options.

Our magnetic mounts are the ideal way to temporarily install antennas on a vehicle. Corrosion resistant materials, a complete weather seal, and a strong magnet ensure that your mount will continue to perform for years. This product may be opened in the field for servicing or cable replacement. All magnetic mounts ship standard with a protective mylar sole. We provide, as an option or for replacement, a protective rubber boot (model GRO) which gives maximum protection to the mounting surface.



GB8 with optional BB1443



GD with optional B1443



GD



GB8

Technical Data - Product Features & Information

- 3/4" magnetic mounts are made with brass, ceramic, & steel materials.
- Cable connection is triple reinforced to eliminate cable pull out.
- Magnet is rated at 90 lbs. pull strength.
- Very adequate for high speed pursuit vehicles.
- 100% continuity and resistance tested.
- Small high performance contact is standard.
- Large contact is available upon request.
- Protective rubber boot is available. Expect some reduction in magnetic force.
- Cable is field replaceable.

Miniature Magnetic Mounts



Ordering Guide - Clear, Easy & Sensible!

GMBR8PI = Black, Mini-Magnetic Mount, with Rubber Boot, 12' of RG58A/U, PL259 Crimp Installed

GM	Mount Style	GM = Mini-Magnetic Mount	
B	Finish	Blank = Chrome	B = Black
R	Rubber Boot	Blank = No Rubber Boot	
8	Cable Style	8 = RG58A/U D = Teflex™	8U = RG58U
P	Connector Style	Blank = No connector N = N crimp NS = N solder T = TNC crimp M = Mini UHF crimp (*for RG58, RG58A/U, Teflex™, & Teflon® only)	B = BNC crimp PS = PL259 solder P = PL259 crimp PST = PL259 solder Teflon® SM = SMA crimp*
I	Installation Option	Blank = Loose connector I = Installed connector (Add \$1.00 for crimp, \$1.50 for solder)	
BLANK	Cable Length	Blank = 12' is standard on magnetic mounts. ***= User specified length	

Our mini-magnetic mounts are made of brass, ceramic and steel materials. Mini-mag mounts are rated at 55 lbs. of pull-strength. The cable connection is also triple reinforced to eliminate cable pull out giving you the reliability you expect from **ANTENEX®**.

Model	Description	MSRP
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3/4" STYLE MINI-MAGNETIC MOUNTS

Chrome Models with 12' of RG58A/U Stranded Center Cable

GM8	No Connector	27.03
GM8B	BNC Crimp	29.58
GM8M	Mini UHF crimp	29.58
GM8N	N Crimp	35.19
GM8NS	N Solder	36.72
GM8P	UHF (PL259) Crimp	29.58
GM8PI	UHF (PL259) Crimp, Installed	31.62
GM8PS	UHF (PL259) Solder	29.90
GM8PST	UHF (PL259) Teflon® Solder	31.62
GM8T	TNC Crimp	29.58

Chrome Models with 12' of RG58U Solid Center Conductor Cable

GM8U	No Connector	31.62
GM8UB	BNC Crimp	34.17
GM8UM	Mini UHF Crimp	34.17
GM8UN	N Crimp	39.78
GM8UNS	N Solder	41.31
GM8UP	UHF (PL259) Crimp	34.17
GM8UPST	UHF (PL259) Teflon® Solder	36.21
GM8UT	TNC Crimp	34.17

Chrome Models with 12' of Teflex™ Coax

GMD	No Connector	32.11
GMDB	BNC Crimp	34.66
GMDM	Mini UHF Crimp	34.66
GMDN	N Crimp	40.27
GMDNS	N Solder	41.80
GMDPI	UHF (PL259) Crimp, Installed	36.70
GMDPST	UHF (PL259) Teflon® Solder	36.70
GMDT	TNC Crimp	34.66

GMRO Rubber Boot add:	3.13
For Black on all models add:	4.30



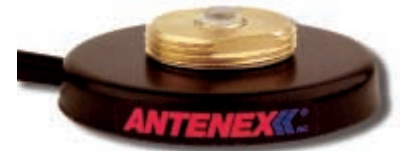
GMB8 w/ Optional AB800



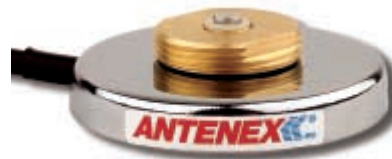
GMRO Boot Option



GM8 w/ Optional TRA8063



GMB8



GM8

Technical Data - Product Features & Information

- 3/4" magnetic mounts are made with brass, ceramic, & steel materials.
- Cable connection is triple reinforced to eliminate cable pull out.
- GM mag is rated at 55 lbs.,
- Very adequate for high speed pursuit vehicles.
- 100% continuity and resistance tested
- Small high performance contact is standard.
- Large contact is available upon request.
- Protective rubber boot is available. Expect some reduction in magnetic force.
- Cable is field replaceable.

Mini-Trunk Lid Mounts - Quick and Easy Install!

The Mini-trunk lid mount really is incredible! A non-staining neoprene rubber cushion under the mount ensures that it will not stick to or stain a car finish. This cushion also isolates the mount against vibration, providing a firm and lasting fit to the trunk lid.

Made of type 302 stainless steel, the bracket features a design that enables it to be mounted to most new high tolerance trunk lid seams.

Our incredible mount features a very low profile design that enhances the appearance of the antenna when it is mounted on a luxury vehicle or limousine. The Mini-Trunk Lid Mount can also be easily removed for vehicle resale or fleet replacement.

Stainless steel hardware is also used on every trunk mount. You will not have any rust or corrosion to mar your vehicle's appearance. **ANTENEX**® mini-trunk mounts are made entirely of nonferrous materials.

THIS MOUNT WILL NEVER RUST! There are no holes to drill for the installation of Antenex Mini Trunk lid mounts.



TMB8 w/ optional QWB800



TM8 w/ optional TRA8063

Ordering Guide - Clear, Easy & Sensible!

TMB8PSI14 = Mini-Trunk Lid Mount, Black Finish, PL259 Solder, Installed, 14' of RG58A/U.

TM	Mount Style	TM = Mini-Trunk Lid Mount with cable
B	Finish	Blank = Chrome Finish B = Black Finish
8	Cable Style	8 = RG58A/U 8U = RG58U 8X = Low Loss D = Teflex™ F = Teflon® Coax Cable
PS	Connector	Blank = No connector B = BNC crimp PS = PL259 solder N = N crimp NS = N solder PST = PL259 solder Teflon® P = PL259 crimp T = TNC crimp M = Mini UHF crimp SM = SMA crimp
I	Installation Option	Blank = Loose connector I = Installed connector (Add \$1.00 for crimp, \$1.50 for solder.)
14	Cable Length	14 = Option 14 ft. cable length - 17 ft. is standard length.

When ordering please indicate nonstandard lengths only.



Model	Connector Type	MSRP
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MINI-TRUNK LID MOUNTS

Models with 17' RG58A/U Stranded Center Conductor Cable

TM8	No Connector	26.27
TM8B	BNC Crimp	29.63
TM8M	Mini UHF Crimp	29.63
TM8N	N Crimp	37.04
TM8NS	N Solder	39.06
TM8P	UHF (PL259) Crimp	29.63
TM8PS	UHF (PL259) Solder	30.05
TM8PST	UHF (PL259) Teflon® Solder	32.33
TM8T	TNC Connector	29.63

Models with 17' of RG58U Solid Center Conductor Cable

TM8U	No Connector	28.29
TM8UB	BNC Crimp	31.65
TM8UM	Mini UHF Crimp	31.65
TM8UN	N Crimp	39.06
TM8UNS	N Solder	41.08
TM8UP	UHF (PL259) Crimp	31.65
TM8UPST	UHF (PL259) Teflon® Solder	34.35
TM8UT	TNC Crimp	31.65
For Black on all models add:		4.30

Available in 14 ft. length; simply add "14" to the end of part number.
Call for pricing on custom cable and connector options.

Technical Data - Product Features & Information

- Brass body with a stainless steel bracket and stainless steel hardware.
- All non-ferrous materials. The mount will never rust!
- No plastic, chalk, crack or decay.
- New design assures fit on most modern high tolerance vehicles.
- Fast, easy installation.
- Requires no hole in the vehicle.
- Very low profile for low visibility.
- Available in brite chrome or black chrome finish.
- Fits all **ANTENEX**® 3/4" mount type antennas.

Freedom™ Mount Kits & Brackets



ANTENEX® uses conductive black chrome on its stainless steel trunk groove mounting brackets. Other manufacturers use lower quality non-conductive black paint. You will find that a more reliable ground can be achieved with **ANTENEX®** mounting brackets. The SBT1000 bracket was specifically designed for 1" hole applications such as the **Phantom®** permanent mount.

Our aluminum mirror mount brackets are extruded and not stamped. This results in a stronger more durable bracket without the risk of bend fatigue and cracking that may occur with the stamped aluminum products. **ANTENEX®** aluminum mirror mounts are bright dipped or black anodized for corrosion protection.

Model	Description	MSRP
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MIRROR MOUNT MODELS

LBM9034	L Bracket for Mirror Mount at 90°, 3/4" Hole	13.29
LBM9038	L Bracket for Mirror Mount at 90°, 3/8" Hole	13.29
LBM4534	Rt Angle "L" for Mirror Mount at 45°, 3/4" Hole	13.29
LBM4538	Rt Angle "L" for Mirror Mount at 45°, 3/8" Hole	13.29

BLACK MIRROR MOUNT MODELS

LBMB9034	Black "L" Bracket for Mirror Mount, 3/4" Hole	14.09
LBMB9038	Black "L" Bracket for Mirror Mount, 3/8" Hole	14.09
LBMB4534	Black Rt Angle "L" for Mirror at 45°, 3/4" Hole	14.09
LBMB4538	Black Rt Angle "L" for Mirror at 45°, 3/8" Hole	14.09

MIRROR MOUNT BRACKET WITH 3/4" MOUNT

LBBM8PS	17ft RG58 Cble with sol PL259 on conn	26.70
LBBM8	17ft RG58 Cable with no connector	24.20

BLACK MIRROR MOUNT BRACKET WITH 3/4" MOUNT

LBBM8PS	17 ft. RG58 Cble with sol PL259 conn	27.50
LBBM8	17ft RG58 Cable no connector	25.00



Model	Description	MSRP
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STAINLESS TRUNK GROOVE MODELS

LBT3400	L Bracket for Trunk Groove, 3/4" Hole	4.50
LBT3800	L Bracket for Trunk Groove, 3/8" Hole	4.50

BLACK STAINLESS TRUNK GROOVE MODELS

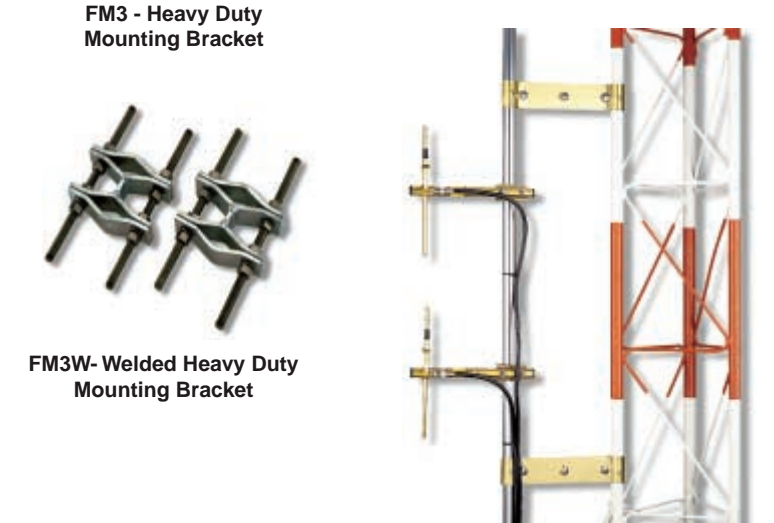
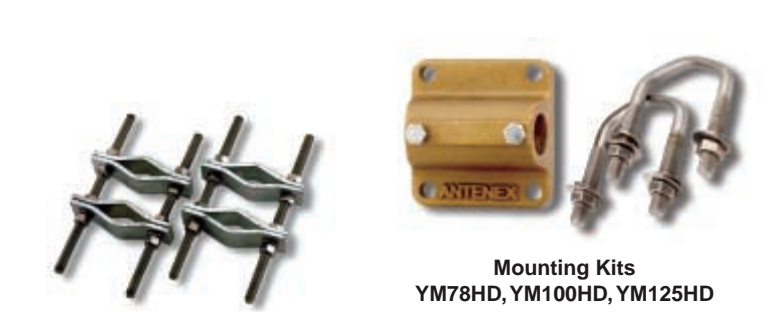
LBTB3400	Black "L" Bracket for Trunk Groove, 3/4" Hole	5.60
LBTB3800	Black "L" Bracket for Trunk Groove, 3/8" Hole	5.60

STAINLESS STRAIGHT TRUNK GROOVE MODELS

SBT1000	Straight Bracket - 1" Hole	20.83
SBT3400	Straight Bracket - 3/4" Hole	4.50
SBTB3400	Black Straight Bracket - 3/4" Hole	5.60



Model	Description	Mast	MSRP
FM1	Stainless Steel U Bolt Mount (2)	1 7/8"	10.00
FM2	Heavy Duty Base Mounting Bracket (2)	2 1/2"	38.00
FM3	Heavy Duty Large Base Antenna Mount (2)	3"	118.02
FM3W	Heavy Duty Large Base Antenna Mount with Center Weld (2)	3"	128.75
FMS9	Freedom Standoff Mount 9" Standoff (2)	2 1/2"	87.28
FMW0	Freedom Wall Mount 0" Clearance	2 1/2"	19.88
FMW4	Freedom Wall Mount 4" Clearance	2 1/2"	21.60
YM78	Yagi Mount Kit for 7/8" Boom	1 5/8"	13.80
YM78HD	HD Yagi Mounting Kit for 7/8" Boom	2 1/2"	47.50
YM100HD	HD Yagi Mounting Kit for 1" Boom	2 1/2"	47.50
YM125HD	HD Yagi Mounting Kit 7/8" to 4 1/2"	2 1/2"	47.50



Coaxial Cable and Cable Assemblies

ANTENEX® stocks a complete selection of connectors and coaxial cables. We are able to select from a number of connector manufacturers to provide you with the highest quality at an affordable price. We use these connectors and cables in our own products and continuously monitor the quality of these components. Our 100% test policy for antennas, Precision Cable Assemblies™ and jumpers assures your satisfaction. Call **ANTENEX**® for all of your custom coaxial cable requirements for quick and accurate delivery.

Model	Description	MSRP
BULK CABLE		
R8100	100' Spool RG58A/U	32.00
R8500	500' Spool RG58A/U	153.13
R81000	1000' Spool RG58A/U	300.00
R8U100	100' Spool RG58U	32.00
R8U500	500' Spool RG58U	153.13
R8U1000	1000' Spool RG58U	300.00
R59100	100' Spool RG59U (75 Ohm)	32.00
R59500	500' Spool RG59U (75 Ohm)	150.00
R591000	1000' Spool RG59U (75 Ohm)	295.00
R8X100	100' Spool Antenex® RG8X	48.00
R8X500	500' Spool Antenex® RG8X	220.00
RD100	100' Spool Teflex™ Teflon® Dual Shield	115.00
RD500	500' Spool Teflex™ Teflon® Dual Shield	500.00
RF100	100' Spool Antenex® Teflon®	250.00
RF500	500' Spool Antenex® Teflon®	1,100.00
RF1000	1000' Spool Antenex® Teflon®	2,000.00
R9913100	100' Spool R9913	130.00
R9913500	500' Spool R9913	600.00
R400100	100' Spool High Performance LMR400	140.00
R400500	500' Spool High Performance LMR400	650.00

Special lengths available upon request. Call for details!



Times® LMR™ 400



Only a small sampling of our capabilities are shown here.



SEALTUBE1



SEALTUBE2

Crimp Tool CCT



SEALTUBE3

IA3MTP22

Crimp Tool CCT213

SEALTUBE4

SEALTUBE4

Ordering Guide - Clear, Easy & Sensible!

PT8X25NN = Precision Cable Assembly™, RG8X Cable, 25 ft.. Length, N Crimp on Both Ends

PT	Cable Product	PT = Pigtail Cable Assembly
	Cable Style	8 = RG58A/U 8U = RG58U 8X = RG8X "low loss" D = Teflex™
		F = Antenex Teflon® Coax Cable 400 = LMR400 9913 = R9913
25	Cable Length	Length in feet
N	Connector Style on One End	If blank = no connector B = BNC crimp M = Mini UHF crimp N = N crimp NS = N Solder P = PL259 crimp SM = SMA Male
N	Connector Style on Other End	PF = Female PL259 crimp PS = PL259 solder PST = PL259 solder Teflon® PT = PL259 crimp silver Teflon® T = TNC crimp
	Connector	Same as Above



Teflon® Teflex™ 58/U 58A/U 8X 9913

ANTENEX® Precision Cable Assemblies™ will save you both time and money. Let us do the work. We are highly equipped to put together any combination you may require in a very fast turn around time.

Model	Description	MSRP
PRECISION CABLE ASSEMBLIES™		
PT40050NPS	Pigtail, LMR400 coax 50 ft. long with N male connector & PL259 male connector installed.	85.81
PT400100NPT	Pigtail, LMR400 coax 100 ft. long with N male & Teflon® PL259 crimp-on connectors installed.	157.50
PT8X25NN	Pigtail, 8X Low Loss 25 ft. long with N male crimp-on connectors installed on both ends.	33.00
PT8X50NP	Pigtail, 8X Low Loss 50 ft. long with N male & PL259 crimp-on connectors installed.	40.75
PTD5NN	Pigtail, Teflex™ cable 5 ft. long with N male crimp-on connectors installed on both ends.	33.80
PTD20PP	Pigtail, Teflex™ cable 20 ft. long with crimp-on PL259 connectors installed on both ends.	23.00
PT850NP	Pigtail, RG58 coax 50 ft. long with N male & PL259 crimp-on connectors installed.	31.50
PT825PPF	Pigtail, RG58 coax 25 ft. long with male PL259 & female PL259 connector installed.	23.00

CRIMP TOOLS, HEAT SHRINK TUBING AND CONNECTOR SEALANT

SHRINKTUBE1	Heat Shrink Tube 1" x 1" dia.	2.00
SHRINKTUBE2	Heat Shrink Tube 2"x1" dia.	3.00
SEALTUBE3	Self Sealing Heat Shrink Tube 3"x1" dia.	4.00
SEALTUBE3	Self Sealing Heat Shrink Tube 4"x1" dia.	5.00
IA3MTP22	Tar Seal	6.75
CCT	Heavy Duty Crimp Tool	65.95
CCT213	Heavy Duty Crimp Tool	71.95

Connectors



ANTENEX® carries a complete line of connectors. Other connectors may be available, please call for items not listed. There is a 50 piece minimum on special order or non-stocked items.



CMUHF58, CBMUHF58, CBNC58, CTNC58, CPL9C, CN58



CMUHFF58, CBNCF58, CTNC58F, CPL9CF, CNF58



CN400 CN440S CNF400 CNF400S

Model	Type	Attach	Coax	Finish	MSRP
CONNECTORS					
CBNC58	BNC Male	Crimp-on	RG58	N	2.50
CMUHF58	Mini UHF Male	Crimp-on	RG58	N	2.50
CMUHFF58	Mini UHF FML	Crimp-on	RG58	N	3.00
CN58	Type N Male	Crimp-on	RG58	N	8.00
CN58S	Type N Male	Solder-on	RG58	N	9.50
CNF58	Type N Female	Crimp-on	RG58	N	8.00
CPL9C	PL259 Male	Crimp-on	RG58	N	2.50
CPL9CE	PL259 M (ext.nut)	Crimp-on	RG58	N	4.75
CPL9CT	PL259 Male	Crimp-on	RG58	S	7.80
CPL9CF	PL259 Female	Crimp-on	RG58	N	7.50
CPL9S	PL259 Male	Solder-on	RG58	N	2.80
CPL9TS	PL259 Male	Solder-on	RG58	S	4.50
CSN58	Type N Male	Crimp-on	RG58	S	8.50
CTNC58	TNC Male	Crimp-on	RG58	N	2.50
CSMA58	SMA Male	Crimp-on	RG58	N	10.50
CBNC8X	BNC Male	Crimp-on	RG8X	N	4.25
CMUHFF8X	Mini UHF Male	Crimp-on	RG8X	N	3.75
CN8X	Type N Male	Crimp-on	RG8X	N	8.00
CPL9C8X	PL259 Male	Crimp-on	RG8X	N	3.75
CTNC8X	TNC Male	Crimp-on	RG8X	N	3.75
CN213	Type N Male	Crimp-on	213/8U	N	11.45
CN213S	Type N Male	Solder-on	213/8U	N	13.55
CBNC316	BNC Male	Crimp-on	RG316/U	N	2.50
CTNCF316	TNC Female	Crimp Jack	RG316/U	N	2.85
CBNC400	BNC Male	Crimp-on	LMR400	N	5.10
CN400	Type N Male	Crimp-on	LMR400	N	8.00
CN400S	Type N Male	Solder-on	LMR400	N	10.00
CNF400	Type N Female	Crimp-on	LMR400	N	10.00
CNF400S	Type N Female	Solder-on	LMR400	N	11.00
CPL9C400	PL259 Male	Crimp-on	LMR400	S	6.25
CTNC400	TNC Male	Crimp-on	LMR400	N	5.10
CSMA316	SMA Male	Crimp-on	RG316	N	3.89

* N = Nickel Finish - S = Silver Finish

Model	Description	MSRP
ADAPTERS		
CNFnF	Type N Female to Type N Female Barrel	8.69
CNF3	3 Way Type N Female "T" (S)	17.00
CNUHFF	Type N Male to UHF Female	6.80
CPL9CFF	UHF Female to UHF Female Barrel	7.50
CPL9CF3	3 Way UHF Female "T"	9.00
CUG175	UG175U Adapter for PL259	0.52
CUG176	UG176U Adapter for PL259	0.52

Other connectors may be available.
 Call or visit <http://www.antenex.com> for items not listed.
 There is a 50 piece minimum on special order non-stock items.
 Connectors for RG58 also fit **ANTENEX**® Teflex™ and Teflon® coax.
 Connectors for LMR® 400 will fit 9913 coax.

COAXIAL CABLE SPECIFICATIONS

Type	Center Conductor	Outer Jacket	Dielectric Material	Nominal O.D.	Impedance (ohms)	Nominal Capacitance (pF/ft)	Nominal Velocity of Propagation	Nominal Shield Attenuation (dB/100 ft) Cover			
								150MHz	450MHz	900MHz	
RG58A/U	Stranded	Black	Solid PVC	0.193" Polyethylene	50.0	30.8	66%	95%	6.20	12.50	20.00
RG58/U	Solid	Black	Solid PVC	0.193" Polyethylene	53.5	28.5	66%	95%	5.40	10.20	16.10
RG59/U	Solid	Black	Gas Injected PVC	0.242" Foam	75.0	16.5	82%	67% Braid 100% Foil	3.80	7.00	10.10
Teflex™	Solid	White	Solid Teflon® PVC	0.195" FEP	50.0	30.0	69%	95% Braid 100% Foil	5.80	10.00	14.50
Teflon®	Stranded	White	Solid Teflon®	0.160" Teflon®	50.0	28.5	69%	95%	4.80	9.00	13.50
RG8X	Solid	Black	Solid PVC	0.242" Polyethylene	50.0	33.0	66%	95%	3.60	6.80	10.70
RG213/U	Stranded	Black	Solid PVC	0.405" Polyethylene	50.0	32.2	66%	95%	2.30	4.50	7.60
R9913	Solid	Black	Semi Solid PVC	0.405" Polyethylene	50.0	24	84%	88% Braid 100% Foil	1.86	3.40	4.90
LMR™ 400	Solid	Black	Gas Injected Polyethylene	0.405" Polyethylene	50.0	23.9	85%	90% Braid 100% Foil	1.50	2.70	3.90

Fax Order Form



Make photocopies of this form for future use.

Fax: 630-351-9009
 Order Line: 800-323-3757
 sales@ANTENEX.com

Phone: 630-351-9007
 Tech Line: 630-351-9007 #5
 Web: www.ANTENEX.com

Date: ___/___/___

<p>Bill To:</p> <p>Account # _____ PO # _____</p> <p>Contact _____</p> <p>Company _____</p> <p>Address _____</p> <p>City, State, Zip _____</p> <p>Phone _____ Fax _____</p>	<p>Ship To: <input type="checkbox"/> Drop Ship</p> <p>Attention: _____</p> <p>Company _____</p> <p>Address _____</p> <p>City, State, Zip _____</p> <p>Phone at Ship Point _____</p> <p>Special Instructions _____</p>
--	---

Payment Method: (Net 30 Open Account requires credit approval - See the Dealer Application on page 41)

Visa
 MasterCard
 American Express
 Discover
 Novus

Card number _____ Net 30 Open Account*

Name on card _____

Expires ___/___/___

* Requires dealer application approval
 Please Allow 2 weeks to process

Shipping Method:

<input type="checkbox"/> FedEx Express Saver (2-3 days)	<input type="checkbox"/> UPS Ground	<input type="checkbox"/> U.S. Mail
<input type="checkbox"/> FedEx Economy (2 day)	<input type="checkbox"/> UPS Orange (3 Day)	<input type="checkbox"/> Air Parcel Post
<input type="checkbox"/> FedEx Standard (Next Day)	<input type="checkbox"/> UPS Blue (2 Day)	<input type="checkbox"/> Customer Pick-Up (Pick-Up Time Must be Confirmed)
<input type="checkbox"/> FedEx Priority (By 10:30 AM)	<input type="checkbox"/> UPS Red (By 10:30 AM)	

Pricing Level
 1st Column (>\$1000)
 2nd Column (<\$1000)
 3rd Column (<\$300)

	Model	Qty.	Price	Extended		Model	Qty.	Price	Extended
X-Act™ Hole Saw • Mounts • Coaxial Cable									
	Column 1 Total:					Column 2 Total:			
	Column 1 Total:					Column 1 Total:			
	Column 1 Total:					Grand Total:			

Noise Suppressors • Lightning Arrestor

Voyager™ • Discadoo™ • Phantom™ • Mountaineer™ • GPSx™ • Genesis™ • Gold Yagis

Dealer Application



Note: We do ask a lot of questions, however, this is in your interest! **ANTENEX**® takes extra care qualifying dealers to avoid carelessly selling to our dealers' customers. All information will be held in the strictest confidence and we will process your account as quickly as possible. Please attach a copy of your state or local tax exemption certificate if your purchases are for resale and you do not want us to charge you sales tax.

Company Information

Company Name _____ Today's Date ____/____/____
Street Address _____ Date Established ____/____/____
City, State, Zip _____ At Present Location Since ____/____/____
Phone () _____ Fax () _____ Check One: Corporation
State Sales Tax Number _____ Partnership
Employer Identification Number _____ Sole Owner
E-mail Address _____ Do You Have A Website? No Yes http:// _____

Technician On Premises: Yes No

Estimated Monthly Antenna Purchases \$ _____

Person(s) Authorized To Place Orders: _____

Principals / Officers

1. _____ Title _____
2. _____ Title _____
3. _____ Title _____

Confidential Credit Information

Name Of Bank _____ Contact Name _____
Street Address _____ Checking Account No. _____
City, State, Zip _____ Phone () _____

List Four Trade References In The Radio Industry That You Have Established Credit With

Company Name _____ Company Name _____
Street Address _____ Street Address _____
City, State, Zip _____ City, State, Zip _____
Phone () _____ Phone () _____
Acct. No. _____ Acct. No. _____

Company Name _____ Company Name _____
Street Address _____ Street Address _____
City, State, Zip _____ City, State, Zip _____
Phone () _____ Phone () _____
Acct. No. _____ Acct. No. _____

Current Antenna Suppliers (Must List At Least One)

1. _____ 2. _____ 3. _____

I am a dealer for the following radio lines: _____

Where did you hear about **ANTENEX**®? _____

What attracted you to **ANTENEX**®? _____

Have you purchased **ANTENEX**® products? Yes No. Which ones? (If yes) _____

If so, from where did you purchase? _____

I authorize **ANTENEX**® to contact our bank and trade references to obtain applicant's credit information. In consideration for **ANTENEX**® extending credit to the above applicant, I hereby guarantee payment under the terms of this assignment. Interest of 1.5% monthly will be charged to overdue accounts and in the event of delinquency, debtor agrees to pay all collection fees and/or attorney fees.

Signature & Title _____ Print Name _____ Date ____/____/____

Product design worksheet



Company Information

Date ____/____/____
Company Name _____ Contact Name _____
Address _____
City, State, Zip, Country _____
Phone _____ Fax _____
E-Mail _____
Type of Business: Manufacturer. Distributor Dealer Carrier

Project Information

Project Name or Code Name _____
Project Description _____

Additional Special Requirements (if any) _____

New Product Existing Product Modify Existing Product Is Sample Available? Yes No
Predicted Monthly Quantities (1st 6 months) _____ (2nd 6 months) _____ (3rd 6 months) _____
Production Start Date _____ Ramp Up Schedule _____ Project Duration (Years) _____
Initial Number of Samples _____ Next Contact Date (Timeline) ____/____/____
Target Price _____ Packaging Requirements _____

Antenna Design Information

How will the product be used? Indoor Outdoor Specific _____
Is funding for tooling available? \$ _____ Is funding for design development available? \$ _____
Frequency _____ Antenna Electrical Length _____ 1/2 wave _____ 1/4 wave _____ Other _____
Pattern _____ VSWR _____ Return Loss _____ -dB
Gain _____ dBi _____ dBd _____ Equivalent or better than attached sample. _____
Additional Specs: Electrical _____ Mechanical _____ Power Rating _____ Watts

Other Information:

Please fill out the above form or complete it with the help of one of our factory technical representatives. **ANTENEX**® will apply its best minds and technologies to develop an antenna solution for you! We have worked “miracles” in improving performance, cost and survivability for military customers, OEM’s, system integrators and utilities. Put **ANTENEX**® to work for you today!

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PHONE: 630-351-9007
800-323-3757 (USA ONLY)
FAX: 630-351-9009

ON-LINE: <http://www.ANTENEX.com>
E-MAIL: sales@ANTENEX.com

MAIL: 2000-205 Bloomingdale Road
Glendale Heights, IL 60139 U.S.A.

PAYMENTS

ADDRESS: **ANTENEX®**, Inc.
Dept. F
P.O. Box 4755
Carol Stream, IL 60197-4755

TECH-SUPPORT WORLDWIDE:

PHONE: 630-351-9011
FAX: 630-351-9009

ON-LINE: <http://www.ANTENEX.com>
E-MAIL: support@ANTENEX.com

*"Se habla español."
"Parliamo in italiano."
"Chúng tôi nói tiếng việt rất thông thạo."
We speak many languages at ANTENEX®.
Of course, we export!*



100 Percent Tested

DEALER TERMS AND PRICING

- All major credit cards accepted (VISA, Master Card, Discover, Novus and American Express). An open account is available upon approval of credit application (see page 47) and minimum order requirements. All payments will be applied to the oldest open invoice. A \$25 fee will be assessed for returned checks. Overdue accounts will only ship upon acceptance of credit card or cash in advance plus the outstanding balance. ANTENEX® reserves the right to sell only to its appointed dealers and distributors. ANTENEX® reserves the right to reject any order prior to shipment
- Better prices = better margins! Price columns indicate discount on total size of order. Prices are accurate at the time of printing and are subject to change without prior notice. Dealer accounts must buy a minimum of \$5,000.00 per year to maintain dealer pricing.
- Free freight ground service from the factory to anywhere within the continental U.S. on orders over \$500. A small handling charge may apply on smaller orders. Free freight policy does not apply to Mountaineer™ antennas, , LMR 600, Folded Dipoles, large Yagi's and various site management product. Other exceptions may apply.
- A 15% restock charge will be applied for returned merchandise.
- All prices are quoted and invoiced in U.S. Dollars.
- All shipping claims must be made within 48 hours from the time of receipt.
- Most orders ship next day!



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