



ANTCOM CORPORATION . 367 Van Ness Way, Suite 602, Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . http://www.antcom.com

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REVISIONS		DATE	APPROVED

<math>< 0.25" [6.37] \text{ (MCX/MMCX)},</math>
 <math>< 0.48" [11.68] \text{ (SMA/R-SMA)},</math>
 <math>< 0.57" [14.53] \text{ (TNC)}, 0.83" [21.00] \text{ (TNC-BH)},</math>
 <math>< 0.72" [18.29] \text{ (N, N-BH)}</math>

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(X.X-X.X) GHz (See Table Below)
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	5.5 dBi
Elevation Beam Width (3dB):	(40 to 54) °
Azimuth Beam Width (3dB):	360 °
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
LIGHTNING PROTECTION:	Yes

MECHANICAL:

SIZE: BASE DIAMETER = 2.750 in. [69.85 mm], HEIGHT = 4.271 in. [108.48 mm]

WEIGHT: < 2.2 oz. (62 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL TOP, BASE IRIODITE PER MIL-C-5441

COLOR: GLOSS WHITE #17925 PER FED-STD-595B
LUSTERLESS GRAY #36320 PER FED-STD-595B
OLIVE DRAB GREEN #34031 PER FED-STD-595B
LUSTERLESS BLACK #37038 PER FED-STD-595B

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT AND SKYDROL RESISTANCE, FIRE RETARDANT

CONNECTOR: SMA FEMALE CONNECTOR (OPTION: TNC, SMA, N Bulkhead, MCX, MMCX, or Cable)

MOUNTING: FIXED MOUNT: FROM TOP

ENVIRONMENTAL:

TEMPERATURE: -67 °F to +185 °F [-55 °C TO +85 °C]

ALTITUDE: 70,000 ft.

VIBRATION: > 20 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-145208A, MIL-STD-810, AND SAE J1455

FREQUENCY (GHz)	POLARIZATION:	BEAM PATTERN:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
X.X - X.X	V: VERTICAL	F: FAN BEAM	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
0.31-0.45	L: LHCP	O: OMNI	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
0.8-1.7	R: RHCP		#: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
1.7-2.0			R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
2.0-2.5					-5: DESERT TAN #33448 PER FED-STD-595B
4.40-5.85					

P/N: 53-X.X-X.XV-O-XS-4-COB

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 .005 .015 ± 1°

TOLERANCE SHIM PER ANS Y14.5

REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILED IN .005 TO .010 SOFTEN EDGES FOR MIL-3-8879 DITS ON A COMMON 1/2" .005

MACHINED SURFACES

DO NOT SCALE DRAWING

4	10-32 Phillips Pan Head, 1/4" = 0.250"	MS51958-59	-	5
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ANTCOM CORP. TORRANCE CALIFORNIA

UHF, L, S, C (X.X-X.X) GHZ
6dB OMNI ANTENNA

DRAWN: S. HUYNH
ENGINEER: S. HUYNH
APPROVED: S. HUYNH OCT-20-10
DATE: 08-11-10
SCALE: 1/1

SHEET 1 OF 1