



Pacific Wireless
 693 E Draper Heights Way Suite 210
 Draper, UT 84020
 TEL (801) 572-3024
 FAX (801) 572-3025
 www.pacwireless.com

New Product

PA WDA5x-32
DATA SHEET

Parabolic Dish Antenna
5 GHz Operation

Features

- High Gain 32 dBi Antenna
- Adjustable tilt pole mount
- Vertical or Horizontal Polarization
- Type N Female Connector
- DC Grounded for lightning protection
- Rugged, Lightweight and Waterproof



Applications

- 5.8 GHz ISM Band Applications
- 5.3GHz UNII Band Applications
- Point to Point Data Links
- 802.11a Wireless Data
- Long Distance Backhaul Data Links
- Building to Building High Speed Links

Description

The Parabolic Dish Antenna systems offered by Pacific Wireless are constructed of an aluminum alloy dish with powder coat paint finish for excellent mechanical, electrical and environmental performance. The parabolic reflector is made with a special one-step molding technology which achieves excellent consistency and long term stability. They come complete with universal galvanized steel, powder coat paint mounting system for pole mount applications. Because of its' superb electrical performance and mechanical stability, the parabolic dish antenna can be used in a wide variety of high performance 5GHz wireless applications. An optional Fiberglass Radome is available for added environmental protection.

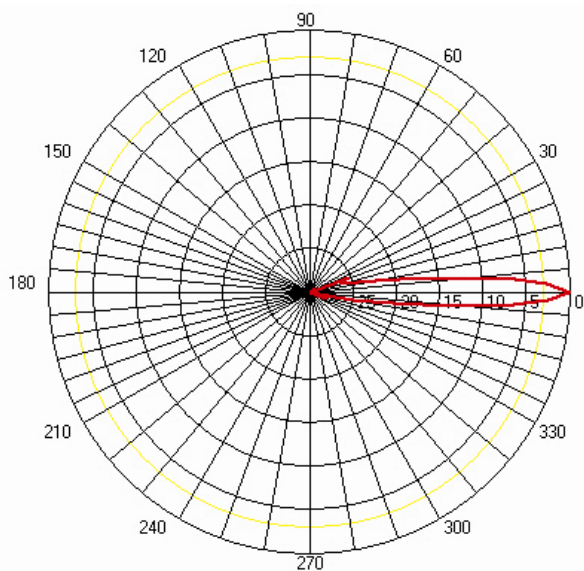
Specifications

Parameter		Min	Typ	Max	Units
<i>Frequency Range</i>	DA58 DA57 DA53	5725 5470 5150		5850 5725 5350	MHz
<i>Gain</i>	DA58 DA57 DA53		32.5 32 31		dBi
<i>Input Return Loss (S₁₁)</i>			-14		dB
<i>VSWR</i>			1.5:1		
<i>3db Beam Angle</i>			4		Deg
<i>Cross Pole</i>			-34		dB
<i>Front to Back</i>		38			dB
<i>Side Lobe</i>			-30		dB
<i>Impedance</i>			50		OHM
<i>Input Power</i>				100	W
<i>Pole Diameter (OD)</i>		1.5 (38)		3.0 (76)	Inch (mm)
<i>Operating Temperature</i>		-40		+70	Deg C
<i>Rated Wind Velocity</i>				125	mph
<i>Weight</i>			22 (10)		Lbs (Kg)
<i>Dimensions (Dia)</i>			35.4 (900)		Inch (mm)

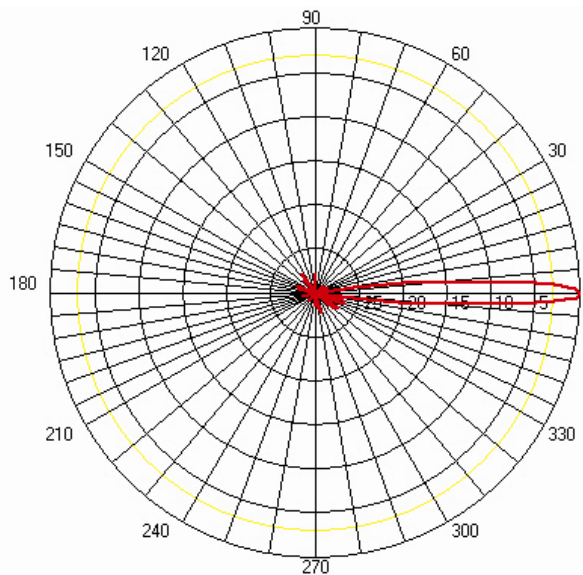
Wind Loading

DA58-32	100 MPH 125 MPH 100 MPH w/ ½"Radial Ice	256 400 258
w/Radome	100 MPH 125 MPH 100 MPH w/ ½"Radial Ice	111 173 181

Antenna Patterns



EPlane – Vertical/Elevation



HPlane – Horizontal/Azimuth

Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

Optional Fiberglass Radome



System Ordering:

DA58-32 32.5dBi 5.725GHz to 5.850GHz Parabolic Dish Antenna

DA57-32 32dBi 5.470GHz to 5.725GHz Parabolic Dish Antenna

DA53-31 31dBi 5.150GHz to 5.350GHz Parabolic Dish Antenna

DA5-32 RADOME Radome Kit for 0.9M Parabolic Dish Antenna

For further information contact:



Pacific Wireless

693 E Draper Heights Way Suite 210
 Draper, UT 84020
 TEL (801) 572-3024
 FAX (801) 572-3025
www.pacwireless.com



Pacific Wireless
 693 E Draper Heights Way Suite 210
 Draper, UT 84020
 TEL (801) 572-3024
 FAX (801) 572-3025
 www.pacwireless.com

New Product

GD5x
DATA SHEET

Grid Dish Parabolic Antenna 5150 to 5825 MHz Operation

Features

- 22dBi , 26dBi and 29dBi Models Available
- Rugged and Weatherproof
- Ultra Low Wind Loading and Low Visual Impact
- Vertical or Horizontal Polarization
- Type N Female Connector



GD58-22 VPOL

Applications

- 5GHz Wireless LAN Applications
- Point to Point Backhaul

Description

The 5GHz parabolic grid directional antennas offered by Pacific Wireless utilize a unique patented parabolic grid design with compact high performance feed. The antennas are constructed of welded steel wires which are galvanized and then powder coat painted with a light gray epoxy paint. The wire grid semi-parabolic design offers unsurpassed low wind loading while maintaining good RF performance. The compact low visual impact attractive styling blends well in almost any application. Mounting is simplified with the Pacific Wireless bracket system made of galvanized steel with stainless steel hardware. The antenna comes with a bulkhead N Female connector standard.

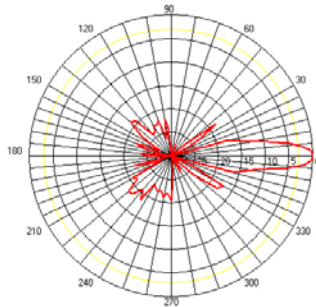
Specifications

Parameter	Model	Min	Typ	Max	Units
<i>Frequency Range</i>	GD58	5725		5825	MHz
	GD57	5470		5725	
	GD53	5150		5350	
<i>Gain</i>	GD58-22		22		dBi
	GD58-26		26		
	GD58-29		29		
	GD5x-21		21		
	GD5x-25		25		
	GD5x-28		28		
<i>Horizontal Beamwidth</i>	GD5x-22/21		10		Deg
	GD5x-26/25		6		
	GD5x-29/28		4		
<i>Vertical Beamwidth</i>	GD5x-22/21		11		Deg
	GD5x-26/25		6		
	GD5x-29/28		5		
<i>Front to Back</i>	GD5x-22/21	25			dB
	GD5x-26/25	30			
	GD5x-29/28	25			
<i>VSWR</i>			1.5:1		
<i>Impedance</i>			50		OHM
<i>Input Power</i>				100	W
<i>Operating Temp</i>		-40		+70	Deg C
<i>Pole Size</i>		1" (25)		2" (50)	In (mm)
<i>Weight</i>	GD5x-22/21	3 (1.4)			Lbs. (kg)
	GD5x-26/25	6 (2.7)			
	GD5x-29/28	11 (5)			
<i>Dimension (W x L)</i>	GD5x-22/21	11.8" x 15.7" (300 x 400)			In (mm)
	GD5x-26/25	16.8" x 24" (427 x 610)			

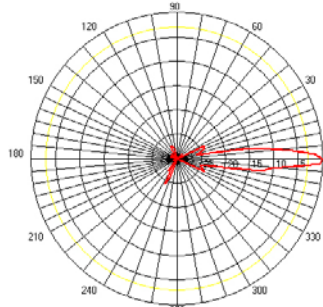
Parameter	Model	Min	Typ	Max	Units
	GD5x-29/28	28.5 x 36" (724 x 914)			
<i>Bracket Tilt</i>		+/-45			Deg

<i>Wind Loading</i>	100 MPH	125 MPH	100MPH with ½" Radial Ice
GD58-22	10	15.6	48
GD58-26	20	31	99
GD58-29	41	64	257

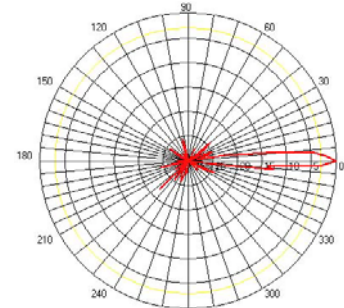
Antenna Patterns @ 5.8GHz



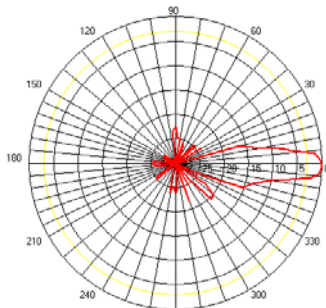
GD58-22 HPOL



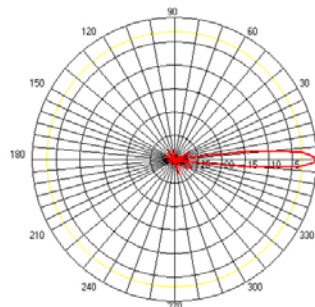
GD58-26 HPOL



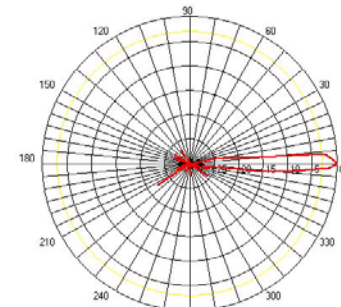
GD58-29 HPOL



GD58-22 VPOL



GD58-26 VPOL



GD58-29 VPOL

System Ordering:

- GD58-22** 5.7-5.8GHz 22dBi Directional Antenna
- GD58-26** 5.7-5.8GHz 26dBi Directional Antenna
- GD58-29** 5.7-5.8GHz 29dBi Directional Antenna
- GD57-21** 5.4-5.7GHz 21dBi Directional Antenna
- GD57-25** 5.4-5.7GHz 25dBi Directional Antenna
- GD57-28** 5.4-5.7GHz 28dBi Directional Antenna
- GD53-21** 5.1-5.3GHz 21dBi Directional Antenna
- GD53-25** 5.1-5.3GHz 25dBi Directional Antenna
- GD53-28** 5.1-5.3GHz 28dBi Directional Antenna

Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

For further information contact:



Pacific Wireless
 693 E Draper Heights Way Suite 210
 Draper, UT 84020
 TEL (801) 572-3024
 FAX (801) 572-3025
www.pacwireless.com



Pacific Wireless
 693 E Draper Heights Way Suite 210
 Draper, UT 84020
 TEL (801) 572-3024
 FAX (801) 572-3025
 www.pacwireless.com

New Product

PA58
DATA SHEET

Flat Panel TriBand Antenna
5150 to 5825 MHz Operation

Features

- High Gain / Low Profile / Tri Band
- Pole Mount or Surface Mount
- Rugged and Weatherproof
- Vertical or Horizontal Polarization
- Type N Female Connector



PA58-19

Applications

- 5GHz Wireless LAN Applications
- Client Antennas
- 802.11a Applications
- OEM wireless data

Description

The 5GHz Tri-Band Flat Panel Directional antennas by Pacific Wireless offer high gain in a thin low profile package. The antennas are constructed of a gray color UV Resistant ABS plastic radome with an aluminum backplate. The antenna can be used in Horizontal or Vertical Polarization. The Die Cast Aluminum bracket affords +/- 45 deg up or down tilt adjustment and the stainless steel hardware assures a long service life. The antenna can be surface mounted or pole mounted. The antenna comes with an integral N Female connector standard.

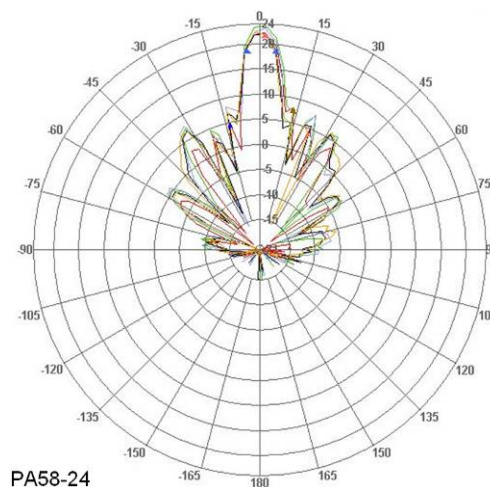
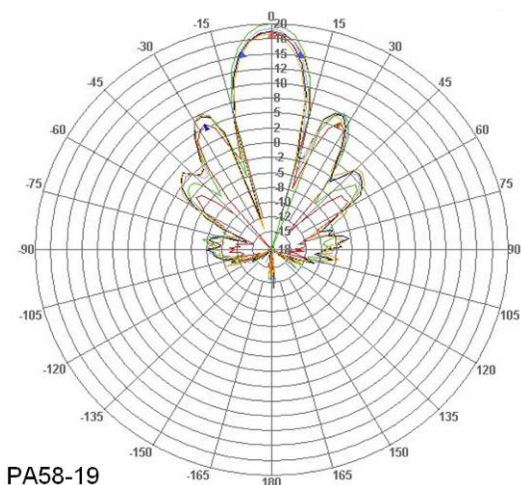
Specifications

Parameter	Model	Min	Typ	Max	Units
<i>Frequency Range</i>		5150		5825	MHz
<i>Gain</i>	PA58-19 PA58-24		19 24		dBi
<i>Horizontal Beamwidth</i>	PA58-19 PA58-24		16 8		Deg
<i>Vertical Beamwidth</i>	PA58-19 PA58-24		16 8		Deg
<i>Front to Back</i>	PA58-19 PA58-24	30 40			dB
<i>Cross Polarization</i>			25		dB
<i>VSWR</i>	5150-5350MHz 5470-5825MHz		2.0:1 1.5:1		
<i>Impedance</i>			50		OHM
<i>Input Power</i>				100	W
<i>Operating Temperature</i>		-40		+70	Deg C
<i>Pole Size</i>		1" (25)		2.5" (64)	In (mm)
<i>Weight</i>	PA58-19 PA58-24		17.6 (0.5) 60 (1.7)		oz (kg)
<i>Dimension (L x W x Thick)</i>	PA58-19 PA58-24		7.5" x 7.5" x 0.8" (190 x 190 x 20) 15.4" x 10.6" x 0.8" (390 x 270 x 21)		In (mm)
<i>Bracket Tilt</i>			45		Deg



PA58-24

Antenna Patterns



Wind Loading				
Model	Sq. In	100MPH	125MPH	100MPH with 1/2" radial ice
PA58-19	56	14 lbs	22 lbs	14 lbs
PA58-24	163	41 lbs	64 lbs	41 lbs

Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty



PA58-19 Surface Mount

System Ordering:

- PA58-19** TriBand 5.1 to 5.8GHz 19dBi Flat Panel Directional Antenna
- PA58-24** TriBand 5.1 to 5.8GHz 24dBi Flat Panel Directional Antenna

For further information contact:



Pacific Wireless

693 E Draper Heights Way Suite 210
 Draper, UT 84020
 TEL (801) 572-3024
 FAX (801) 572-3025
www.pacwireless.com