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Flat Panel Wide Band Antenna 5150 to 5825 MHz Operation

The 5GHz wideband flat panel directional antennas by Laird Technologies 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.

Features and Benefits:

- High gain / low profile / wide band
- Pole mount or surface mount
- Rugged and weatherproof
- Vertical or horizontal polarization
- Type N female connector

Applications

- 5GHz wireless LAN applications
- Client antennas
- 802.11a applications
- OEM wireless data

For sales information:

Telephone 801-572-3024

E-Mail sales@pacwireless.com

or visit: www.pacwireless.com

Specifications

Parameter	Model	Min	Typ	Max	Units
Frequency Range		5150		5825	MHz
Gain	PA58-19 PA58-24		19 24		dBi
Horizontal Beamwidth	PA58-19 PA58-24		16 8		Deg
Vertical Beamwidth	PA58-19 PA58-24		16 8		
Front to Back	PA58-19 PA58-24	30 40			dB
Cross Polarization		25			dB
VSWR	5150-5350MHz 5470-5825MHz		2.0:1 1.5:1		
Impedance			50		OHM
Input Power				100	W
Operating Temperature		-40		+70	Deg C
Pole Size		1" (25)		2.5" (64)	In (mm)
Weight	PA58-19 PA58-24	17.6 (0.5) 60 (1.7)			oz (kg)
Dimension (L x W x Thick)	PA58-19 PA58-24	7.5" x 7.5" x 0.8" (190 x 190 x 20) 15.4" x 14.6" x 0.8" (390 x 371 x 21)			In (mm)
Bracket Tilt			45		Deg

Wind Loading (Lbs.)

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

System Ordering:

PA58-19 WideBand 5.1 to 5.8GHz 19dBi flat panel directional antenna

PA58-24 WideBand 5.1 to 5.8GHz 24dBi flat panel directional antenna

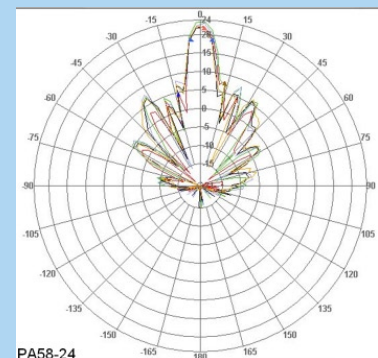
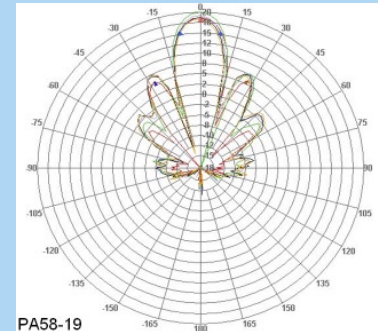
Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty

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Specifications subject to change without notice.

Antenna Patterns



PA58-19
Surface Mount

