



#### 5150 TO 5825 MHz OPERATION FLAT PANEL WIDE-BAND ANTENNA

The 5 GHz wide-band flat panel directional antennas by Laird 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  $\pm 45^\circ$  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.

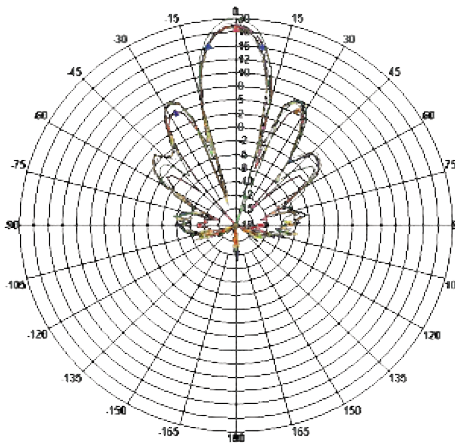
#### FEATURES

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

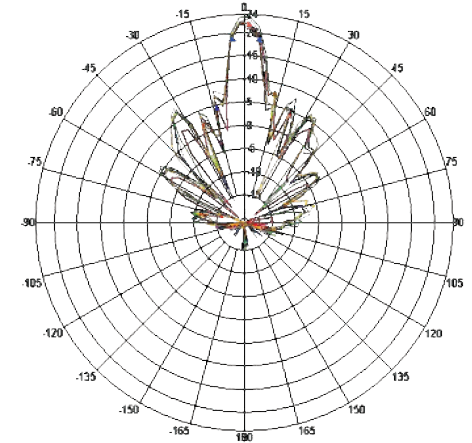
#### MARKETS

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

#### ANTENNA PATTERNS



PA58-19



PA58-24

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### SPECIFICATIONS

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

### WIND LOADING (LBS.)

MODEL	SQ. IN	100 MPH	125 MPH	100 MPH WITH ½ IN RADIAL ICE
PA58-19	56	14 lbs	22 lbs	14 lbs
PA58-24	163	41 lbs	64 lbs	41 lbs



### SYSTEM ORDERING INFORMATION

- PA58-19 Wide-band 5.1 to 5.8 GHz 19 dBi flat panel directional antenna  
 PA58-24 Wide-band 5.1 to 5.8 GHz 24 dBi flat panel directional antenna

### NOTES

- All shipments F.O.B. Schaumburg, IL 60173

ANT-DS-PA58 1115

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