



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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.

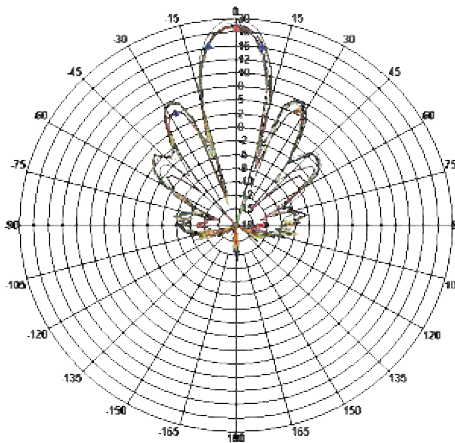
FEATURES

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

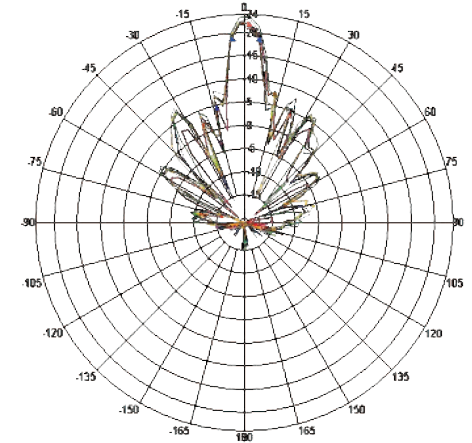
MARKETS

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

ANTENNA PATTERNS



PA58-19



PA58-24

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Smart Technology. Delivered.

Flat Panel Wide-Band Antenna

PA58

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		Deg
Front to Back	PA58-19 PA58-24	30 40			dB
Cross Polarization		25			dB
VSWR	5150-5350 MHz 5470-5825 MHz		2.0:1 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 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	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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