

FLAT PANEL WIDE-BAND ANTENNA

PA58

5150 TO 5825 MHZ OPERATION FLAT PANEL WIDE-BAND ANTENNA

The 5 GHz wide-band flat panel directional antennas 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° 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.

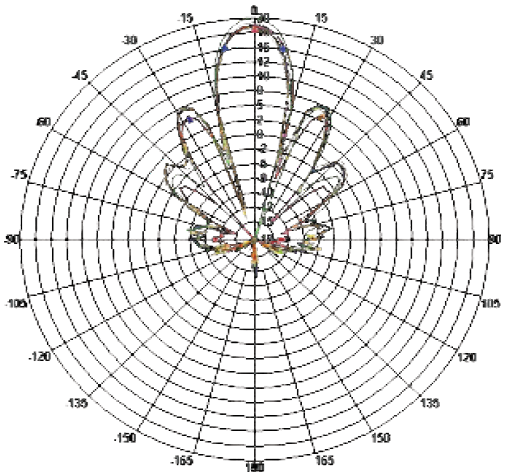
FEATURES

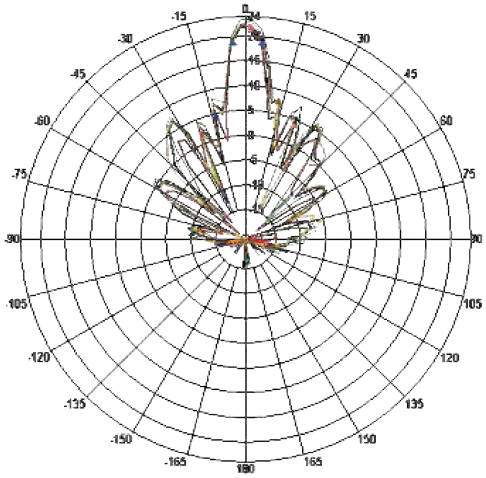
- High gain/low profile/wide-band
- Pole mount or surface mount
- Rugged and weatherproof
- Vertical or horizontal polarization
- Type N female connector

MARKETS

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

ANTENNA PATTERNS





SPECIFICATIONS

PARAMETER	MODEL	MIN	TYP	MAX	UNITS
Frequency Range		5150		5825	MHz
Gain	PA58-24		24		dBi
Horizontal Beamwidth	PA58-24		8		Deg
Vertical Beamwidth	PA58-24		8		Deg
Front to Back	PA58-24	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	PA58-24		60 (1.7)		oz (kg)
Dimension (L x W x Thick)	PA58-24	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
PA58-24	163	41 lbs	64 lbs	41 lbs

SYSTEM ORDERING INFORMATION

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



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