4.9 - 6.1 GHz High Gain Dual Polarized/Dual Slant Antenna

PA5-0530-DP

6 GHz, 30 dBi, 5.2° Dual Polarized antenna designed to provide full coverage for the 5GHz frequency band

- Dual Slant when mounted diagonally
- Stable and Efficient performance
- High Gain
- Polycarbonate UV protected radome
- Durable construction allows harsh weather installations
- Flexible mounting for Azimuth /Elevation adjustment & 45° turn installation

Technical Specifications

ELECTRICAL			
FREQUENCY RANGE	4.9-5.15 GHz	5.15-5.875 GHz	5.875-6.1 GHz
GAIN			
VERTICAL POLARIZATION	28.5±0.5 dBi	29±0.5 dBi	28.5±0.5 dBi
HORIZONTAL POLARIZATION	28±0.5 dBi	28.5±0.5 dBi	28±1 dBi
VSWR, MAX.	2:1	1.7:1	2:1
POLARIZATION			
DUAL POLE	Dual Polarization Vertical &Horizontal		
DUAL SLANT (OPTIONAL)	± 45°		
3DB BEAM WIDTH, H-PLANE, TYPICAL	5.2°	4.7°	4.4°
3DB BEAM WIDTH, E-PLANE, TYPICAL	5.2°	4.7°	4.4°
SIDE LOBES, MIN.	ETSI TS3		
CROSS POLARIZATION, MIN.			
VERTICAL POLARIZATION	-26dB	-23dB	-23dB
HORIZONTAL POLARIZATION	-25dB	-23dB	-20dB
FRONT TO BACK RATIO, MIN.	ETSI TS3		
PORT TO PORT ISOLATION, TYPICAL	-30dB		

INPUT POWER, MAX.	10 Watt
INPUT IMPEDANCE	50 Ohm
LIGHTNING PROTECTION	DC Grounded
MECHANICAL	
DIMENSIONS (HXWXD)	600 x 600 x 22 mm (23.5”x 23.5”x0.9” inch)
WEIGHT	4.7kg
CONNECTOR	2x N-Type Female
BACK PLANE	Aluminum, protected through chemical passivation
RADOME	UV Protected, Polycarbonate
MOUNT	MNT-60
ENVIRONMENTAL	
OPERATING TEMPERATURE RANGE	- 40°C TO + 65°C
VIBRATION	According to IEC 60721-3-4
WIND LOAD	200km/h (survival)
FLAMMABILITY	UL94
WATER PROOFING	IP-67
HUMIDITY	ETS 300 019-1-4,EN 302 085 (ANNEX A.1.1)
SALT FOG	According to IEC 68-2-11

ABOUT PROXIM WIRELESS:

Proxim Wireless is a global leader in advanced wireless broadband and WiFi solutions that deliver high performance and high availability communications. Celebrating 40 years of pioneering wireless solutions, Proxim is recognized for unparalleled reliability, superior performance, and drive for innovation.

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