

Antenna Technical Specifications

Omni Antenna 4.9 – 5.1 GHz P. N. 849270



ELECTRICAL	
FREQUENCY RANGE	4.9 – 5.1 GHz
PEAK GAIN	4.9 – 5GHz 9dBi 5 – 5.1GHz 9±0.5dBi
VSWR	1.7:1
AZIMUTH BEAMWIDTH	360± (min)

AZIMUTH RIPPLE	±1 dB
ELECTRICAL DOWN TILT	-0° (typ) @ 4.9 GHz -1° (typ) @ 5 GHz -2° (typ) @ 5.1 GHz
POLARIZATION	Linear Vertical
E - PLANE BEAMWIDTH	9° (typ)
E - PLANE SIDE LOBE LEVEL	-10 dB (typ)
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	6W (max)
LIGHTNING PROTECTION	DC Grounded
MECHANICAL	
DIMENSIONS DIAMETER HEIGHT	55mm (max) 500mm (max)
WEIGHT	0.6 kg (max)
CONNECTOR	N-Type Female
RADOME	Plastic, UV Resistant
BASE PLATE	Aluminum with chemical conversion coating
MOUNTING H.W	Mounted to pole Φ 1.5" - Φ 3" by the means of 2 Clamps.

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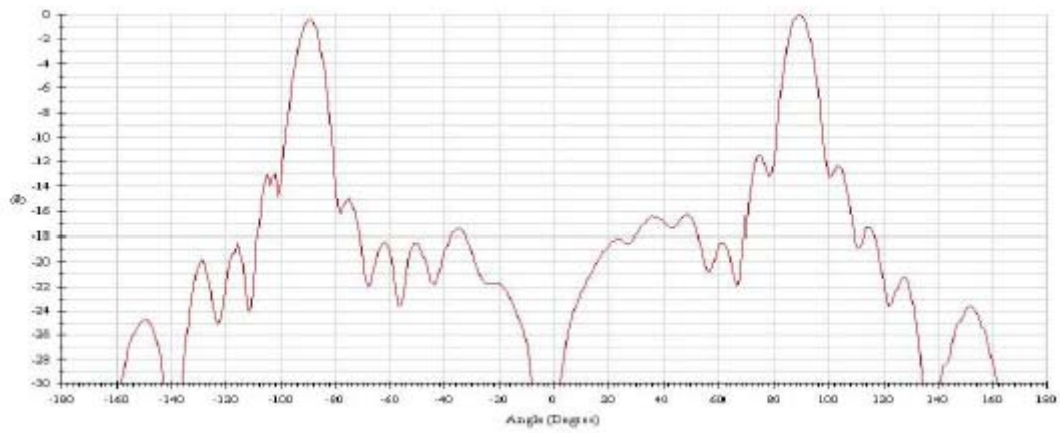
ENVIRONMENTAL	
TEMPERATURE RANGE	IEC 68-2-1-2 -55°C to +71°C
TEMP. CYCLING	IEC 68-2-14 -45°C to +70°C
VIBRATION	IEC 60721-3-4 Random 4M5
SHOCK MECHANICAL	IEC 60721-3-4 4M5
HUMIDITY	ETSI EN300-2-4 T4.1E
WATER TIGHTNESS	IEC 529 IP-54
SOLAR RADIATION	ASTM G53
FLAMMABILITY	UL 94
SALT SPRAY	IEC 68-2-11 Ka
ICE AND SNOW	25mm Radial
WIND SPEED: SURVIVAL OPERATION	220 Km/h 160 Km/h

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ANTENNA PATTERNS

Elevation Pattern Frequency 5.0GHz



Azimuth Pattern Frequency 5.0GHz

