

MT-952021/NV/A

2.4 - 2.5 GHz, 7.0 dBi / 4.9 - 5.9 GHz, 9.0 dBi
DUAL BAND POLARITY OMNI DIRECTIONAL ANTENNA



ELECTRICAL	
REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	2.4 – 2.5 GHz 4.9 – 5.9 GHz
GAIN	7.0 dBi ± 1.0 dB @ 2.4 – 2.5 GHz 7.5 dBi ± 1.0 dB @ 4.9 – 5.3 GHz 8.0 dBi ± 1.0 dB @ 5.3 – 5.5 GHz 9.0 dBi ± 1.0 dB @ 5.5 – 5.8 GHz 8.0 dBi ± 1.0 dB @ 5.8 – 5.9 GHz
VSWR	2.0 :1 (max) 1.7:1 (typ) @ 2.4 – 2.5 GHz 2.0 :1 (max) 1.7:1 (typ) @ 4.9 – 5.9 GHz *
POLARIZATION	Linear Vertical
E-PLANE BEAM WIDTH	13.5° ± 1.0° @ 2.4 – 2.5 GHz 7.0° ± 1.0° @ 4.9 – 5.9 GHz
3dB AZIMUTH BEAMWIDTH	360°
CROSS POLARIZATION	-15 dB (typ)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
LIGHTNING PROTECTION	DC Grounded
MECHANICAL	
DIMENSIONS (D x H)	28mm X 460mm (max)
CONNECTOR	N-Type Female
CONFIGURATION	Mounted to radio's N-female output
WEIGHT	0.3 kg (max)
RADOME MATERIAL	Plastic, UV Resistant
OUTLINE DRAWING	RD43263700C

ENVIRONMENTAL

TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis		Random4M5
SHOCK MECHANICAL	IEC 60721-3-4			4M5
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		95%
WATER TIGHTNESS	IEC 529			IP67
SOLAR RADIATION	ASTM G53	1000h		
FLAMMABILITY	UL 94			Class HB
SALT SPRAY	IEC 68-2-11 Ka	500h		
ICE AND SNOW				25mm Radial
WIND SPEED SURVIVAL OPERATION				220 Km/h 160 Km/h

**AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 1.82 GHZ**

**ELEVATION RADIATION PATTERN MIDBAND
FREQ. 1.82 GHZ**

