

MT-463042/ND

4.9-5.9 GHz, 14.0dBi 90° Double Dual Slant Base Station Antenna

Electrical

Frequency Range	4.9-5.9 GHz
Gain	14.0 ± 0.5 dBi
VSWR	1.5:1 typ, 2:1 max
3.0dB Azimuth Beam width	90° typ
3.0dB Elevation Beam width	7° typ
Polarization	Double Dual Linear, ± 45°
Cross polarization	-15 dB typ
Side Lobes Level Elevation	-12 dB typ
Front to Back Ratio	30 dB max
Port-to-Port Isolation	20 dB typ
Input Impedance	50 Ω
Input Power	6W max
Lightning Protection	DC Grounded
Mounting Kit	MT-120018

Mechanical

Dimensions (L x W x D)	371x371x40mm max
Weight	2 kg max
Connector	4 x N-type Female
Radome	Plastic Polycarbonate RAL-9002
Base Plate	Aluminum with chemical conversion coating

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		Random 4M3
Shock Mechanical	IEC 60721-3-4			4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67
Solar Radiation	ASTM G53	1000 h		
Flammability	UL 94			Class HB
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h
Wind Load	Front Thrust			39.6 kg
Survival	Side Thrust			4.3 kg

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