

MT-465041/NVH

4.9-5.7 GHz, 19.0 dBi Dual Pol Subscriber Antenna

Electrical

Regulatory Compliance	ETSI EN 302 326-3 V1.1.2, (2006-03) RoHS, CE 0682
Frequency	4.9 – 5.7 GHz
Gain	17.0 ± 1.0 dBi @ 4.9-5.15 GHz 19.0 ± 1.0 dBi @ 5.15-5.7 GHz
VSWR	1.7 :1 (typ) , 2.0 : 1(max)
Azimuth Beam width	17° (typ)
Elevation Beam width	17° (typ)
Polarization	Dual Linear , Vertical & Horizontal
Azimuth And Elevation Side Lobes Level	-10 dB typ
Cross Polarization	-20 dB max
F/B Ratio	-30 dB typ
Port-To-Port Isolation	30 dB typ
Input Impedance	50 Ω
Input Power	6 W max

Mechanical

Dimensions (L X W X D)	190 x 190 x 30.5 mm max
Weight	0.7 kg max
Connector	2 x N-Type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Mounting Kit	MT-120018/A

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		
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival Operation			220 Km/h 160 Km/h
Wind Load	Front Thrust			10.5 kg
Survival	Side Thrust			1.6 kg

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