

MT046S16DS

3.3 – 3.8 GHz 16 dBi 70° and 5.1 – 5.9 GHz 16 dBi 65°
Dual Band Dual Slant Sector Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682	
Frequency Range	3.3 – 3.8 GHz	5.1 – 5.9 GHz
Number of ports	2 ports	2 ports
Gain	16 dBi min	16 dBi min
VSWR	1.5 : 1 typ, 1.8 :1 max	2.0 : 1 max
-3 dB Azimuth Beam width	70° typ	65° typ
-3 dB Elevation Beam width	8° typ	9° typ
Polarization	Dual Linear, ± 45°	Dual Linear, ± 45°
Cross polarization discrimination	- 15 dB max	- 15 dB max -20 dB typ
Elevation Side Lobes Level	- 12 dB max	- 13 dB max
F/B Ratio	30 dB min, >40 dB typ	30 dB min, >40 dB typ
Port To Port Isolation	25 dB min	30 dB min
Input Impedance	50 Ω	
Input Power	50 W CW	
Lightning Protection	DC Grounded	

Mechanical

Dimensions L x W x D	650 x 320 x 32 mm max	
Weight	3 kg max	
Connector	4 x N-type female	
Radome	Plastic	
Base Plate	Aluminum with chemical conversion coating	

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-45 °C	
High Temperature	IEC 68-2-2	72 h	+71 °C	
Temp. Cycling	IEC 68-2-14	1 h	-45°C to +70°C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis		Random 4M5
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 G154	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 Operation				220 Km/h 160 Km/h
Wind Load Survival: Front Thrust Side Thrust				71.3 kg 6.7 kg

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