

MT036S18DS

3.3-3.8 GHz 18 dBi 45° Double Dual Slant Sector Antenna

Electrical

Regulatory Compliance	RoHS CE 0682
Frequency	3.3 – 3.8 GHz
Gain	18 dBi min
VSWR	1.7:1
-3 dB Azimuth Beam Width	45 °± 8°
-3 dB Elevation Beam Width	5° typ
Polarization	Double Dual Slant
Cross Polarization	-20 dB typ, -13 dB max
Side Lobes Level (Azimuth: ±100 to ±180 from Bore sight)	-25 dB typ
Side Lobes Level	-10 dB typ
F/B Ratio	-30 dB max
Port to Port Isolation	30 dB min
Input Impedance	50 Ω
Input Power	50 W CW
Lightning Protection	DC Grounded

Mechanical

Dimensions	810 x 285 x 75 mm max
Weight	3.3 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	-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 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP64
Solar Radiation	ASTM G53	1000 h		
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			79.1 kg
Survival	Side Thrust			19.4 kg

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