MT036S18DS

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

Wireless Edge
Antenna Solutions
An MTI Company

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 º± 8º
-3 dB Elevation Beam Width	5º 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 Survival	Front Thrust				79.1 kg
	Side Thrust				19.4 kg

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