MT035S09DS

3.3-3.8 GHz 8.5 dBi Dual Slant Sector Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	3.3 – 3.8 GHz
Gain	8.5 dBi ± 1.0 dB
VSWR	1.5:1 typ, 2:1 max
Polarization	Dual Slant ± 45°
-3 dB Beam Width Azimuth	55° typ
-3 dB Beam Width Elevation	65° typ
Beam Squint	5° typ
Side Lobes Level	-18 dB typ, -13 dB max
Cross Polarization Discrimination	-20 dB typ, -15 dB max
Port to Port Isolation	20 dB min
F/B Ratio	-25 dB typ
Input Impedance	50 Ω
Input Power	4 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	140 x 140 x 25 mm max
Weight	0.5 kg max
Connector	2 x Cables RG316 with connectors N-Type male length 450mm
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			IP65
Solar Radiation		ASTM G53	1000 h		
Flammability		UL 94			Class HB
Salt Spray		IEC 68-2-11 Ka	168 h		
Ice And Snow					25 mm Radial
Wind Speed	Survival				220 Km/h
	Operation				160 Km/h
Wind Load Survival	Front Thrust				5.6 kg
	Side Thrust				0.8 kg

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