

MT035S09DS-1

Dual Slant 3.3 – 3.8 GHz 8.5 dBi



Electrical	
Regulatory Compliance	RoHS , CE 0682
Frequency Range	3.3 – 3.8 GHz
Gain	8.5 dBi \pm 1 dBi
VSWR	1.5:1 typ , 2:1 max
Polarization	Dual Slant \pm 45°
-3 dB Beam width Az.	55° typ
-3 dB Beam width El.	65° typ
XPD	-20 dB typ, -15 dB max
Side Lobes Level	-18 dB typ, -13 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 (LxWxD)	140 x 140 x 25 mm max
Weight	0.5 Kg (max)
Connector	2 cables RG316 with connectors N-type male length 150 mm
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating

Environmental				
Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72h	-55°C	-
High Temperature	IEC 68-2-2	72 h	+71°C	-
Temp. Cycling	IEC 68-2-14	1h	-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	144h	-	95%
Water Tightness	IEC 529	-	-	IP65
Solar Radiation	ASTM G53	1000 h	-	-
Salt Spray	IEC 68-2-11 Ka	500h	-	-
Ice And Snow	-	-	-	25mm Radial
Wind Speed: Survival Operation				220 Km/h 160 Km/h
Wind Load (Survival) Front Thrust Side Thrust				5.6 kg 0.8 kg

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