MT-487000/N

5.15 – 6 GHz 29 dBi GRID Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical	
Frequency	5.15 - 6 GHz
Gain	28 dBi min @ 5.15 – 5.35 GHz 29 dBi min @ 5.35 – 5.875 GHz 28 dBi min @ 5.875 – 6 GHz
VSWR	1.9 :1 typ 2.5:1 max @ 5.15 – 5.4 GHz 2:1 max @ 5.4 – 6.0 GHz
3 dB Azimuth Beam Width	3.5° typ
3 dB Elevation Beam Width	5° typ
Polarization	Linear
Azimuth Side Lobes Level	13 dB typ, 10 dB max
Elevation Side Lobes Level	20 dB typ, 16 dB max
Azimuth Cross Polarization	-32 dB typ, -27 dB max
Elevation Cross Polarization	-30 dB typ, -22 dB max
F/B Ratio	-40 dB max
Input Impedance	50 ohm
Input Power	10 W

Mechanical	
Dimensions	905 x 705 mm max
Dish focal lenght	354 mm
Weight	3.3 kg max
Cable & Connector	150 mm RG58 w/ N (f)
Radome	NA
Base Plate	Die CastAluminum

Environmental

Test		Standard	Duration	Temperature	Notes
Low Temperature		MIL-STD-810E 502.3 PROC. I	48 h	-30 °C	
High Temperature		MIL-STD-810E 502.3 PROC. I	48 h	+70 °C	
Temp. Cycling		MIL-STD-810E 502.3 PROC. I	1 h	-30 °C +70 °C	
Vibration		MIL-STD-810E 502.3 PROC. I	3 Blows 10 ms		
Shock Mechanical		MIL-STD-810E 502.3 PROC. I			
Rain		MIL-STD-810E 502.3 PROC. I			
Water Tightness		MIL-STD-810E 502.3 PROC. I			IP65
Solar Radiation					8 Years min
Flammability		UL 94			Class HB
Salt Spray		IEC 68-2-11 Ka	168 h		
Ice And Snow					25 mm Radial
Wind Speed	Survival				120 Km/h
	Operation				
Wind Load Survival	Front Thrust Side Thrust				160 km/h

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