MT-6025/2

4 – 8 GHz Horn Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical	
Frequency	4 – 8 GHz
Peak Gain W.R.T. 45° Pol	4 – 4.7 GHz, 13 dBi min 4.7 – 8 GHz, 15 dBi to 20 dBi over band
Peak Gain W.R.T. Vertical and Horizontal Polarization	10 dBi to 17 dBi over the band
Second Cross Over Gain For Vertical and Horizontal Polarization	-9 dB to -19 dBi below peak of beam
VSWR	2 : 1 typ , 2.5 : 1 max
3 dB Azimuth Beam Width	20° - 30°
3 dB Elevation Beam Width	>= 20°
Polarization	45° slant
Side lobes level	-20 dB max
V/H Ratio Between Second Cross Over Points	1 dB typ , 2 dB max
Monitor	30 dB ± 6 dB
Mechanical	
Connector	SMA Female
Weight	0.55 Kg max
Dimensions (L x W x H)	283 x 175 x 114 mm max
Environmental*	
Temperature	-20°C to +80°C
Humidity	Per MIL – STD – 810E, Method 507.3, Proc I
Salt Fog	Per MIL – STD – 810E, Method 509.3, 5% for a period of 48 hours.
Thermal Cycling	-20°C to +80°C , 5 cycles , 2 hours each
Fungus	Per MIL – STD – 810E, Method 508.4
Altitude	-1,000 to 30,000 ft
Vibration	Random 4 – 100 Hz, 0.01 g^2/Hz, in 3 axis
Rain	Antennas are not sealed and must be covered with a Radome

* In accordance with MIL – E – 16400

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