

MT-701004/K

Wide Beam 24-40 GHz Horn Antenna

Electrical

Polarization	45°
Frequency Range	24 - 40 GHz
VSWR	2.5:1 @ 80% of the band 3.5:1 max
Gain @ 24 GHz	5 dBi min
Gain @ 40 GHz	10 dBi min
3 dB AZ BW	60° min
3 dB EL BW	60° min
6 dB AZ BW	70° min
6 dB EL BW	70° min
10 dB AZ BW	100° min
10 dB EL BW	100° min
AZ Beam squint @ 6dB	±5° max
Input Impedance	50 Ω
Power	20 dBm CW - Pulse 30 dBm 10% duty cycle

Mechanical

Dimensions (L x W x H)	49 x 16 x 16 mm max w/o flange
Orientation	45°
Weight	85 gr max
Connector	2.4 mm Female

Environmental

Temperature Operating	-40°C to +71°C
Temperature Storage	-54°C to +85°C
Altitude	-1,500 to 60,000 feet
Humidity	Up to 100%
Vibration	Per MIL-STD-810F, Method 514.5, Proc. I
Mechanical Shock	20g for 11 msec
Fire gun Vibration	Per MIL-STD-810F, Method 519.5, Proc. IV, Fig. 519.5D-1
Rain	Per MIL-STD-810F, Method 506.4, Proc. I
Salt and Fog	Per MIL-STD-810F, Method 509.4
Acceleration Structural	Fore 3g, Aft 9g, Up 13.5g, Down 4.5g, Left & Right 6g

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