

# MT-954003/S

2-6 GHz Pyramidal Horn Antenna

## Electrical

Frequency	2 – 6 GHz
Gain	15 dBi min, 16 dBi min at 4.5 -6 GHz
Gain Ripple	±3 dB max
VSWR	2:1 typ, 2.5:1 max
Polarization	Slant 45°
3 dB Azimuth Beam Width	±10° for Ver, Hor, SLA
Azimuth Ripple	10°±2° max at 97% of band 10°±3°max at 3% of band
Azimuth Side Lobe	-20 dB max, -25 Design Goal
Difference Between V & H Polarization	±0.5 dB typ, ±1 dB max up to second Cross Over for 90% of frequency band
Monotonic Azimuth Pattern	The azimuth pattern is monotonic up to -20 dB below peak.
3 dB Elevation Beam width	14° - 45° (12° min where gain is greater than 19 dBi)
Input Impedance	50 Ω
Power Handling	50W
Boresight Error	0.5° typ, 1° max

## Mechanical

Dimensions (LxWxH)	860 x 530 x 220 mm max
Weight	6.2 kg
Connector	SMA Female

## Environmental

Temperature operating	-15°C to +65°C
Temperature storage	-40°C to +71°C
Humidity	Up to 100% RH
Salt fog	5%, 48 hours

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