

MT-809512/S

6-18 GHz, Constant Beam Width Horn Antenna

Electrical

Frequency	6 -18 GHz
Peak Gain W.R.T 45° Pol	9 dBi min
VSWR	2.5 : 1 max 90% Of Band 3.5 : 1 max 100% Of Band
Polarization	45° Slant
Gain @ ±15° Azimuth	6.0 dBi
Second Cross Over @ ±30°	12 ±3dB Below Peak
3 dB Azimuth Beam Width	30° ±2° 90% Of Band 30° ±3° 100% Of Band
3 dB Elevation Beam Width	≥30° @ A Min. Gain Of 8 dBi
Peak Gain Tracking	2 dB
Monopulse Gain Tracking	The monopulse gain tracking of all the elements pairs deviates by less than 2 dB from the mean curve in between the second cross over points
Input Impedance	50 Ω
Input Power	10 W CW

Mechanical

Weight	410 gr
Connector	SMA Female
Mounting	Antenna is not sealed and must be installed under a radome

Environmental

The antenna is designed in accordance with MIL-E-16400 specification