

MT-809513/S

2 – 6 GHz Constant Beam Width DF Horn Antenna

Electrical

Frequency	2 – 6 GHz
Gain @ $\pm 15^\circ$ Azimuth	6.5 dBi min
VSWR	2.5 : 1 max 90% Of Band 3.5 : 1 max 100% Of Band
Polarization	Slant Linear
Peak Gain	9.5 dBi min
Second Cross Over @ $\pm 30^\circ$	12 \pm 3 dB Below Peak
3 dB Azimuth Beam Width	30° \pm 2° 90% Of Band 30° \pm 3° 100% Of Band
3 dB Elevation Beam Width	$\geq 30^\circ$ @ 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	2.35 Kg
Connector	SMA Female
Mounting	Antenna is not sealed and must be installed under radome

Environmental

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