

MT-7010/S

2 – 18 GHz Omni Directional Antenna

Electrical

Frequency	2 – 18 GHz
Polarization	Slant Linear 45°
Peak Gain @ Match Polarization	-3 dBi typ @ 2 – 8 GHz, -7 dBi min +3 dBi typ @ 8 – 18 GHz, -2 dBi min
Peak Gain @ Vertical and Horizontal	-5 dBi typ @ 2 – 8 GHz, -15 dBi min -2 dBi typ @ 8 – 18 GHz, -6 dBi min
VSWR	1.5 : 1 typ 4 : 1 max @ 2 – 2.3 GHz 3.5 : 1 max @ 2.3 – 18 GHz
Azimuth Ripple @ Match Polarization	±3 dB typ ±4 dB max
Elevation @ 4 dB Beam width	20 deg typ
Elevation @ 10 dB Beam width	45 deg typ
Input Impedance	50 ohm
Input Power	2 W max

Mechanical

Antenna Diameter	86 mm
Height	220 mm max
Flange Diameter	160 mm
Connector	SMA Female
Weight	1.8 Kg max
Color	Black Matt #37070 Per FED – STD 595B

Environmental

Military Standard	MIL – E - 16400
Operating Temperature	-20° C to + 65° C

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