



Multi-Band Omni Antenna

IOS-700-3800A

SPECIFICATIONS

Electrical

Ports	1 X Ports for 698-3800 MHz				
Frequency Range	698-806 MHz	806-960 MHz	1427-1518 MHz	1710-2700 MHz	3400-3800 MHz
Gain (Average)	2.0 dBi	2.0 dBi	2.0 dBi	4.0 dBi	4.0 dBi
Azimuth Beamwidth (-3dB)	360°	360°	360°	360°	360°
Voltage Standing Wave Ratio (VSWR)	< 1.8:1	< 1.5:1	< 1.5:1	< 1.5:1	< 1.5:1
Passive Intermodulation (2x20W)	≤ -150 dBc	≤ -150 dBc	≤ -150 dBc	≤ -150 dBc	≤ -150 dBc
Input Power Continuous Wave (CW)	50 watts	50 watts	50 watts	50 watts	50 watts
Polarization	H Pol	H Pol	H Pol	H Pol	H Pol
Input Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground	DC Ground

Mechanical

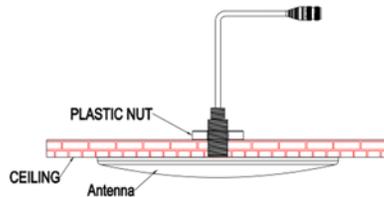
Front Isometric View



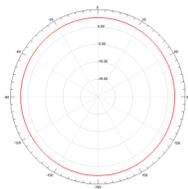
Dimensions (LxD)	6.3 × 0.7 inches (160 × 17.5 mm)
Equivalent Flat Plate Area	0.2 ft ² (0.02 m ²)
Weight*	0.4 lbs (200 g)
Connector (RF)	1 × 4.3-10 Female
Mounting	Ceiling
Radome Color	White

*Does not include weight of Mounting Kit

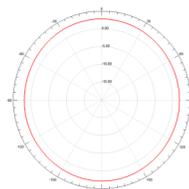
Installation Diagram



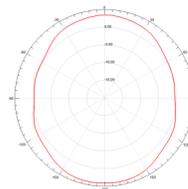
Typical Antenna Patterns



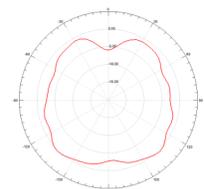
E-Plane 740 MHz



E-Plane 880 MHz



E-Plane 1710 MHz



E-Plane 2600 MHz