

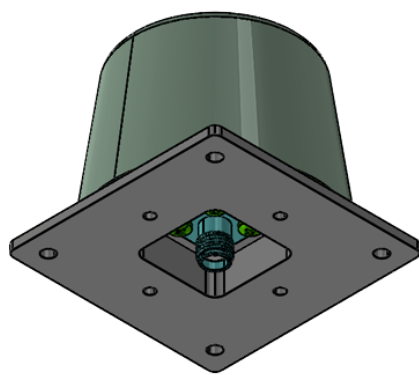


SIGNAL ANTENNA SYSTEMS

MODEL: UWB0120-1000

Product Data Sheet

UWB0120-1000: Wideband omni-directional antenna with elevation plane beam optimized for gain and coverage across the 1 to 20 GHz frequency band. Its compact, rugged design delivers stable RF performance in both indoor and outdoor environments, making it ideal for demanding applications including Communication Datalinks, SIGINT, and Spectrum Monitoring.



PERFORMANCE CHARACTERISTICS

RF and Electrical

Frequency Range	1 – 20 GHz
Gain	-4 to 0 dBi (1.0 - 2.0 GHz) 0 to +4 dBi (2.0 - 20 GHz)
3-dB Beamwidth (E-Plane)	50.0° (nom)
3-dB Beamwidth (H-Plane)	360.0°
Polarization	Linear
VSWR	2.0:1 max (1.0 - 2.0 GHz) 1.8:1 typ. (> 2 GHz)
Power Handling	20 Watts

MECHANICAL

Dimensions	2.0" x 2.0" x 2.0"
Weight	0.25 lbs
Mounting	Flange or 4X 4-40 Screws

INTERFACE

RF-Connector	SMA Female
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