HSA-160
Ultra-Wideband Hybrid Spiral Antenna

Description
This ultra-thin, square, spiral antenna is suitable for 150 MHz – 6 GHz for multiple applications including sensors, signal intelligence, and communications. The spiral is less than 9/16” thick with an optional absorber pad to transmission in a single direction (unidirectional operating mode). An 18 GHz extended band version is also available (HSA-1180).

Specifications

Electrical
Frequency Band 150 – 6000 MHz (18000 MHz extended)
VSWR < 2.5 : 1
Polarization Right Hand Circular (Left Hand Circular Optional)
Gain 6.5 dBiC, overhead
Power 1 Watt CW
Ground Plane Ground Plane Independent
Connector SMA Female (Standard)

Mechanical
Weight 3.19 lbs (1.4 kg)
Dimensions 21.75” x 21.75” (55.2 cm x 55.2 cm) Flush Flange
0.57” (1.4 cm) Depth
Finish Enamel, Gloss White
MIL-DTL-53039, Type IV, Chemical Agent Resistant Coating
FED-STD-595 37030 (Black)
FED-STD-595 34094 (Green 383)
FED-STD-595 33446 (Tan 686A)
FED-STD-595 36300 (Aircraft Gray)