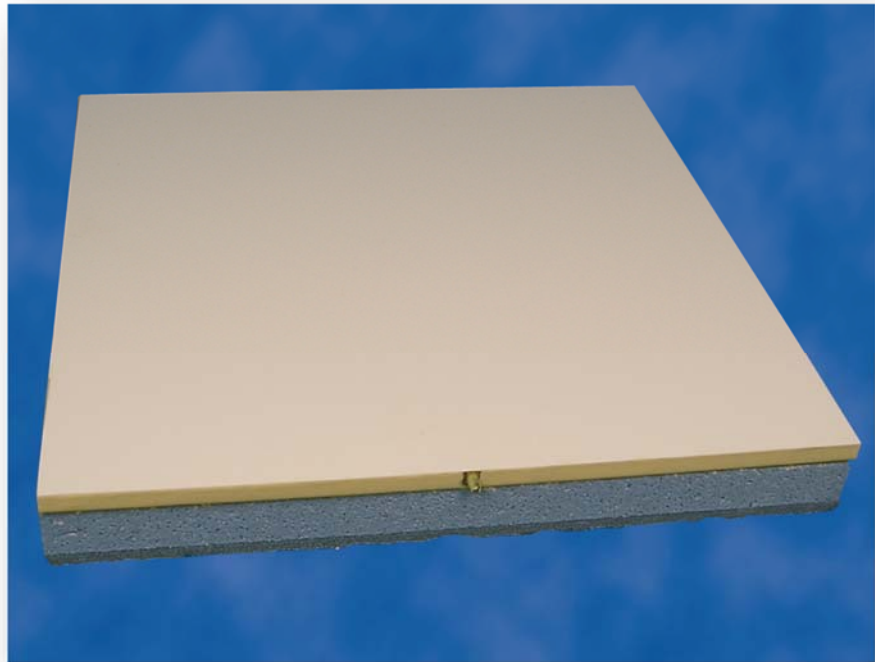


HSA-160

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)