

HSA-160

Ultra-Wideband Hybrid Spiral Antenna



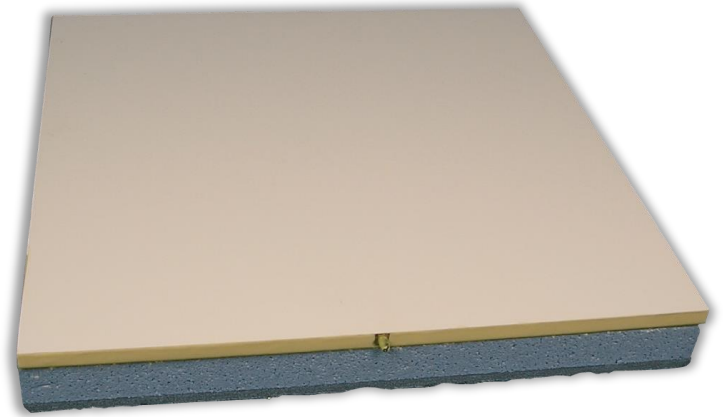
DESCRIPTION

The HSA-160 is an ultra-thin, square, spiral antenna operating over frequencies from 150 MHz to 6 GHz.

It is suitable for multiple applications including sensors, signal intelligence (SIGINT), and communications.

The spiral is less than 9/16" thick with an optional absorber pad for transmission in a single direction (unidirectional operating mode).

An 18 GHz extended band version is also available (HSA-1180).



Ultra-Wideband Hybrid Spiral Antenna

SPECIFICATIONS

ELECTRICAL

Frequency Band	150 MHz to 6000 MHz
VSWR	< 2.5 : 1
Polarization	Right-Hand Circular Left-Hand Circular (Upon Request)
Gain	+6.5 dBiC (Overhead)
Power	1+ Watt CW
Ground Plane	Ground Plane Independent
Connector	SMA Female

MECHANICAL

Weight	3.19 lbs (1.4 kg)
Dimensions	21.75" L x 21.75" W x 0.57" (55.2 cm L x 55.2 cm W x 1.4 cm H)

Mounting	Available Upon Request
Finish (Default)	MIL-DTL-53039, Type IV, CARC White Polyurethane Enamel

MODEL NUMBERS

Tan 686A Color	HSA-160-T
Green 383 Color	HSA-160-G
Black Color	HSA-160-B
Aircraft Gray Color	HSA-160-AG

RELATED PRODUCTS

Extended (18 GHz)	HSA-1180
-------------------	----------