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).

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

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

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)

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