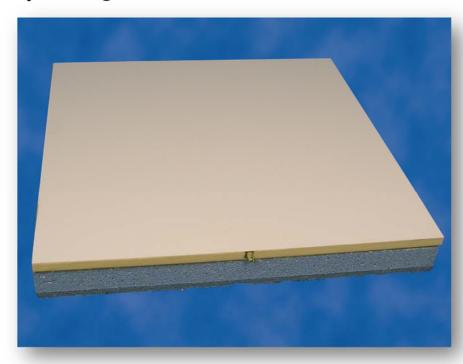
# HSA-160



# 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

**VSWR** 

Polarization

Gain Power

Ground Plane Connector

#### Mechanical

Weight

**Dimensions** 

Finish

150 – 6000 MHz (18000 MHz extended)

< 2.5 : 1

Right Hand Circular (Left Hand Circular Optional)

6.5 dBic, overhead

1 Watt CW

Ground Plane Independent SMA Female (Standard)

3.19 lbs (1.4 kg)

21.75" x 21.75" (55.2 cm x 55.2 cm) Flush Flange

0.57" (1.4 cm) Depth

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)