

# HSA-056

## 6" Square Spiral Antenna

### DESCRIPTION

The HSA-056 is a low-profile, compact spiral antenna ideally suited for handheld and vehicular applications.

This lightweight antenna is rugged and weather resistant. It provides wide bandwidth, broad beam width, and high RF efficiency.

Applications include signal intelligence (SIGINT), electronic warfare (EW), and wideband communications.



*6" Square Spiral Antenna*

### SPECIFICATIONS

#### ELECTRICAL

|                |  |
|----------------|--|
| Frequency Band | 500 MHz to 8500 MHz  |
| VSWR           | < 3.0 : 1 at 500 MHz to 600 MHz<br>< 2.0 : 1 at 600 MHz to 5.5 GHz |
| Polarization   | Right-Hand Circular<br>Left-Hand Circular (Upon Request)           |
| Gain           | -10 dBiC to +6 dBiC  |
| Boresight Gain | 0 dBiC   |
| Power          | 5 Watts CW   |
| Ground Plane   | Ground Plane Independent   |
| Connector      | SMA Female   |

#### ENVIRONMENTAL

|           |                  |
|-----------|------------------|
| Shock     | MILSTD 810F, 20G |
| Vibration | RTCA/DO-160      |

#### MECHANICAL

|                  |   |
|------------------|---|
| Weight           | 14 oz (0.4 kg)  |
| Dimensions       | 5.68" L x 5.48" W x 2.01" H<br>(14.4 cm L x 13.9 cm W x 5.1 cm H) |
| Mounting         | Available Upon Request  |
| Finish (Default) | FED-STD-595 37030 (Black)   |

#### MODEL NUMBERS

|                 |           |
|-----------------|-----------|
| White Color     | HSA-056-W |
| Tan 686A Color  | HSA-056-T |
| Green 383 Color | HSA-056-G |

#### RELATED PRODUCTS

|                   |          |
|-------------------|----------|
| Mid-Power (25 W)  | HSA-056A |
| High-Power (50 W) | HSA-056B |