

HSA-0323

Low-Band Circular Spiral Antenna

DESCRIPTION

The HSA-0323 is a high-power circular spiral antenna optimized for frequencies from 300 MHz to 2300 MHz.

This antenna is optimized for vehicular operations in harsh environments. It provides wide bandwidth, broad beamwidth, and high RF efficiency in a compact and extremely rugged chassis.

Applications include signal intelligence (SIGINT) and wideband applications up to 200 W.



Low-Band Circular Spiral Antenna

SPECIFICATIONS

ELECTRICAL

| | |
|----------------|--|
| Frequency Band | 300 MHz to 2300 MHz |
| VSWR | < 2.5 : 1 |
| Polarization | Right Hand Circular Left-Hand Circular (Upon Request) |
| Gain | -2 dBiC to + 8 dBiC |
| Power | 200 Watts CW |
| Ground Plane | Ground Plane Independent |
| Connector | TNC Female |

ENVIRONMENTAL

| | |
|-------------------|------------------------------------|
| Shock | MILSTD 810G, 40G |
| Vibration | MILSTD 810G |
| Operational Temp. | -35°F to +131°F (-37.2°C to +55°C) |

MECHANICAL

| | |
|------------------|--|
| Weight | 10 lbs (4.5 kg) |
| Dimensions | 18.50" L x 15.75" W x 4.53" H (47 cm L x 40 cm W x 11.5 cm H) |
| Mounting | Available Upon Request |
| Finish (Default) | FED-STD-595 33446 (Tan 686A) |

MODEL NUMBERS

| | |
|---------------------|-------------|
| Black Color | HSA-0323-B |
| White Color | HSA-0323-W |
| Green 383 Color | HSA-0323-G |
| Aircraft Gray Color | HSA-0323-AG |