

# HSA-018

## 12" Square Spiral Antenna

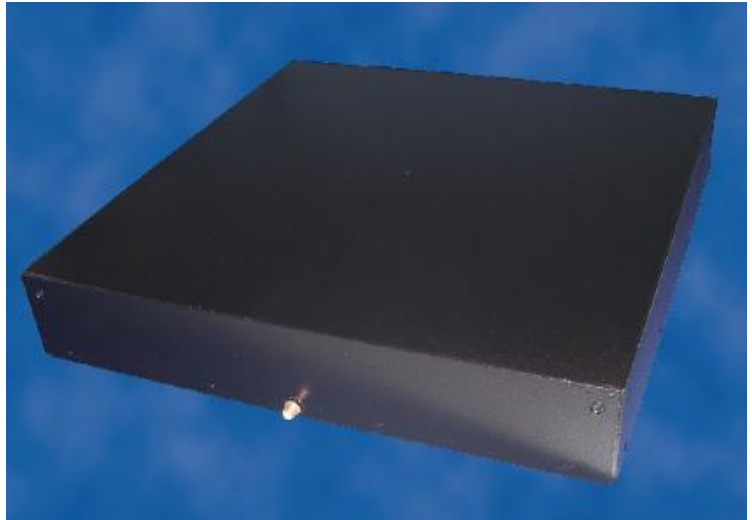
### DESCRIPTION

This low profile, compact spiral antenna is ideally suited for vehicular use.

It provides wide bandwidth, broad beam width, and high RF efficiency.

JEM's 12" square Spiral antenna is rugged and weather resistant.

Applications include SIGINT, EW, and wideband communications.



12" Square Spiral Antenna

### SPECIFICATIONS

#### Electrical

Frequency Band	100 – 8500 MHz
VSWR	≤2.5:1 @100 to 4500 MHz ≤3.0:1 @4500 to 7500 MHz
Polarization	Right Hand Circular
Gain	0 dBi (Boresight) -45 – +6 dBi
Power	10 Watts CW
Connector	SMA Female

#### Mechanical

Weight	2.8 lbs (1.27 kg)
Dimensions	2.07" H x 12.00" W x 12.00" L 5.26 cm x 30.48 cm x 30.48 cm
Finish	MIL-DTL-53039, Type IV, CARC FED-STD-595 37030 (Black) FED-STD-595 34094 (Green 383) FED-STD-595 33446 (Tan 686A)
Temperature	-54 °C – +85 °C

### PART NUMBERS

Black Color	HSA-018
Green Color	HSA-018G
Tan Color	HSA-018T

\* = optional