

# HSA-018

## 12" Square Spiral Antenna

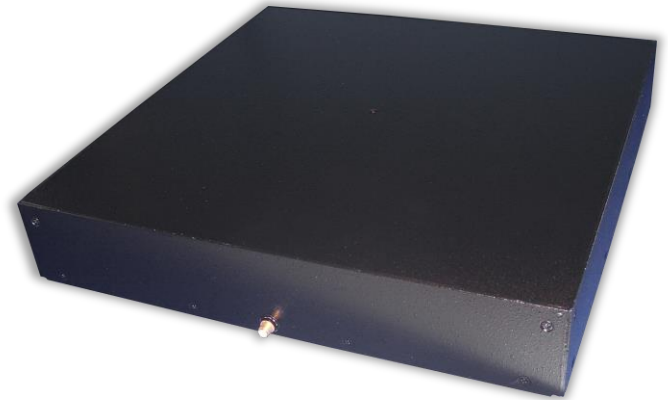
### DESCRIPTION

The HSA-018 is a low-profile, compact spiral antenna that is ideally suited for vehicular use.

JEM Engineering's 12" square spiral antenna provides wide bandwidth, broad beam width, and high RF efficiency.

The antenna is rugged and weather resistant.

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



*12" Square Spiral Antenna*

### SPECIFICATIONS

#### ELECTRICAL

Frequency Band	100 MHz to 8500 MHz
VSWR	< 2.5 : 1 at 100 MHz to 4500 MHz < 3.0 : 1 at 4500 MHz to 7500 MHz
Polarization	Right-Hand Circular
Gain	-45 dBiC to +6 dBiC
Boresight Gain	0 dBiC
Power	10+ Watts CW
Ground Plane	Ground Plane Independent
Connector	SMA Female

#### ENVIRONMENTAL

Shock	MILSTD 810F, 20G
Vibration	RTCA/DO-160
Operational Temp.	-31°F to +185°F (-35°C to +85°C)

#### MECHANICAL

Weight	2.8 lbs (1.27 kg)
Dimensions	12" L x 12" W x 2.07" H (30.48 cm L x 30.48 cm W x 5.26 cm H)
Mounting	Available Upon Request
Finish (Default)	MIL-DTL-53039, Type IV, CARC

#### MODEL NUMBERS

White Color	HSA-018-W
Tan 686A Color	HSA-018-T
Green 383 Color	HSA-018-G
Aircraft Gray Color	HSA-018-AG