

HSA-018

12" Square Spiral Antenna

DESCRIPTION

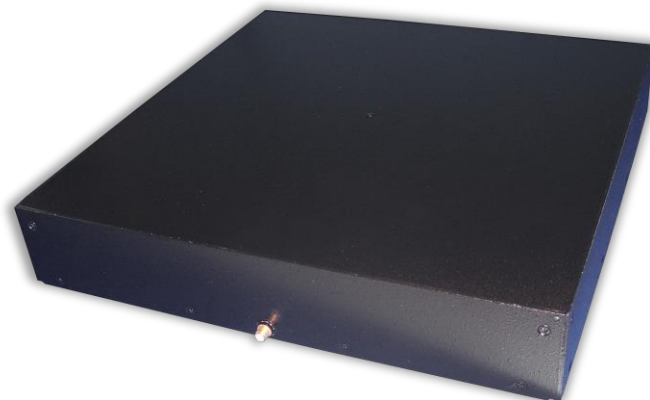
The HSA-018 is a low-profile, compact spiral antenna that is ideally suited for vehicular use.

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.

Phase tracked sets are available.



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	-5 dBiC to +6 dBiC
Boresight Gain	0 dBiC
Power	10+ Watts CW
Ground Plane	Ground Plane Independent
Connector	SMA Female TNC Female Available Upon Request

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)	Black Polyurethane Enamel

RELATED MODEL NUMBERS

HSA-018	SMA Connector (Black)
HSA-018A	TNC Connector (Black)
HSA-018B	Phase Tracked, TNC Connector (Black)