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.

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

MECHANICAL

Weight: 2.8 lbs (1.27 kg)
Dimensions: 12” L x 12” W x 2.07” H
Mounting: Available Upon Request
Finish (Default): Black Polyurethane Enamel

ENVIRONMENTAL

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

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

TNC Female: Available Upon Request

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