

HSA-318

Spiral Antenna

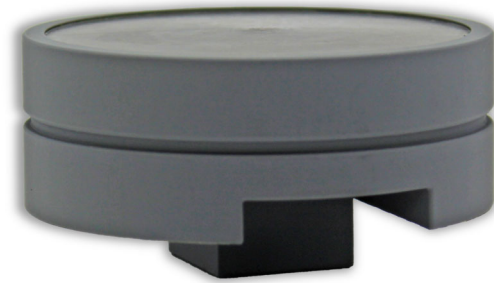
DESCRIPTION

The HSA-318 is a low-profile, compact spiral antenna ideally suited for airborne and vehicular applications.

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

This lightweight aluminum housing antenna is rugged and weather resistant.

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



Spiral Antenna

SPECIFICATIONS

ELECTRICAL

Frequency Band	2 GHz to 18 GHz
VSWR	< 2.5 : 1
Polarization	Right-Hand Circular Left-Hand Circular (Upon Request)
Gain	-3 to 7 dBiC
Power	10+ Watts CW
Ground Plane	Ground Plane Independent
Connector	SMA Female
Axial Ratio	≤ 3dB (Boresight) ≤ 6dB (60°)

ENVIRONMENTAL

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

MECHANICAL

Weight	3 oz (85 g)
Dimensions	2.0" Dia. 1.35 x" H (5.08 cm Dia. x 3.43 cm H)
Mounting	Available Upon Request
Finish (Default)	Polyurethane Enamel
Construction	Aluminum Housing

MODEL NUMBERS

Aircraft Gray RHCP	HSA-318
Aircraft Gray LHCP	HSA-318L
White Color	HSA-318-W
Tan 686A Color	HSA-318-T
Green 383 Color	HSA-318-G