

HSA-2438

MUOS SATCOM Spiral Antenna

DESCRIPTION

The HSA-2438 is a hybrid spiral antenna designed for MUOS SATCOM band and vehicular use. It is optimized for MUOS bands within frequencies between 244 to 270 MHz, 292 to 320 MHz, and 360 to 380 MHz.

The unique pattern is designed for cardioid shaped gain overhead to 10° in elevation where SATCOM links are more difficult to close.

It can be mounted on a vehicle surface with no degradation to the pattern or VSWR and is ground plane independent.



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SPECIFICATIONS

ELECTRICAL

Frequency Band	240 MHz to 380 MHz
VSWR	< 1.5 : 1
Polarization	Right-Hand Circular
Gain	> -2 dBiC at 10° to 30° Elevation > 1 dBiC at 30° to 70° Elevation > 0 dBiC at 70° to 90° Elevation
Power	50+ Watts CW
Ground Plane	Ground Plane Independent
Connector	Type N Female TNC Female (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	6 lbs (2.7 kg)
Dimensions	8" H x 20" Dia (20.3 cm H x 50.8 cm Dia)
Mounting	Available Upon Request
Finish (Default)	F63W12 White Polyurethane Enamel

MODEL NUMBERS

Black Color	HSA-2438-B
Tan 686A Color	HSA-2438-T
Green 383 Color	HSA-2438-G
Aircraft Gray Color	HSA-2438-AG