

# WSA-1424

## 1.4-2.4 (9") L-S Sector Antenna

### DESCRIPTION

The WSA-1424 is a broadband antenna that operates at frequencies from 1.4 GHz to 2.4 GHz.

This flight qualified antenna is optimized for signal intelligence (SIGINT) transmit applications up to 25 W.

Other applications include multi-band communications.



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### SPECIFICATIONS

#### ELECTRICAL

Frequency Band	1.4 GHz to 2.4 GHz
VSWR	< 2.0 : 1
Polarization	Linear
Boresight Gain	≥ +5.0 dBi at 1.4 GHz to 2.0 GHz ≥ +6.0 dBi at 2.0 GHz to 2.4 GHz
Power	25+ 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	16.0 oz (0.45 kg)
Dimensions	8.92" L x 2.5" W x 4.45" H (22.65 cm L x 6.35 cm W x 11.3 cm H)
Mounting	90° Angle Mounts
Finish (Default)	F63W12 White Polyurethane Enamel

#### MODEL NUMBERS

Black Color	WSA-1424-B
Tan 686A Color	WSA-1424-T
Green 383 Color	WSA-1424-G
Aircraft Gray Color	WSA-1424-AG