

# WSA-512

## X Band Sector Antenna

### DESCRIPTION

The WSA-512 is a high-efficiency sector coverage antenna designed for transmit applications over a large frequency range.

This flight qualified antenna is optimized for intelligence, surveillance and reconnaissance (ISR), as well as signal intelligence (SIGINT) applications, operating within frequencies from 5 to 12 GHz.

Other applications include sensors and broadband communications.



*X Band Sector Antenna*

### SPECIFICATIONS

#### ELECTRICAL

Frequency Band	5 GHz to 12 GHz
VSWR	< 2.5:1
Polarization	Linear
Boresight Gain	+8 dBi to +10 dBi
Power	5+ 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	2.1 oz (59.5 g)
Dimensions	5.5" L x 1.18" W x 2.55" H (14 cm L x 3 cm W x 6.5 cm H)
Mounting	Bottom Mounting Plate
Finish (Default)	White Polyurethane Enamel

#### MODEL NUMBERS

Black Color	WSA-512-B
Tan 686A Color	WSA-512-T
Green 383 Color	WSA-512-G
Aircraft Gray Color	WSA-512-AG