

MBA-0127

Multi-Band (HexBand) Array

DESCRIPTION

The MBA-0127 is a compact, low-profile, single-port antenna that covers multiple bands, ranging from 400 MHz to 2.2 GHz. This antenna has been qualified for airborne intelligence, surveillance and reconnaissance (ISR) applications.

Applications include signal intelligence (SIGINT), and multi-band communication.

The MBA-0127-1 is the left-hand circularly-polarized (LHCP) version of the MBA-0127. The MBA-0145 is the single-element version of the MBA-0127.



HexBand Array (RHCP)

SPECIFICATIONS

ELECTRICAL

Frequency Bands	410 MHz to 500 MHz 820 MHz to 960 MHz 1700 MHz to 2200 MHz
VSWR	< 2.5 : 1
Polarization	Right-Hand Circular
Gain	+5 dBiC to +14 dBiC Typical
Beam Tilt	0°, 30°
Power	50+ 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	9 lbs (4.05 kg)
Dimensions	16" L x 16" W x 2.3" H (40.6 cm L x 40.6 cm W x 5.8 cm H)
Mounting	Available Upon Request
Finish (Default)	FED-STD-595 37030 (Black)

MODEL NUMBERS

White Color	MBA-0127-W
Tan 686A Color	MBA-0127-T
Green 383 Color	MBA-0127-G
Aircraft Gray Color	MBA-0127-AG

RELATED PRODUCTS

LHCP Version	MBA-0127-1
Single-Element Version	MBA-0145 (9" [22.86 cm] Square)