

MBA-0127-1

Multi-Band (HexBand) Array



DESCRIPTION

The MBA-0127-1 is a compact, low-profile, single-port antenna that covers multiple bands, ranging from 400 MHz to 2.2 GHz.

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

This antenna has been qualified for airborne intelligence, surveillance and reconnaissance (ISR) applications.

The MBA-0127 is the right-hand circularly-polarized (RHCP) version of the MBA-0127-1.



HexBand Array (LHCP)

SPECIFICATIONS

ELECTRICAL

Frequency Bands	410 MHz to 500 MHz 820 MHz to 960 MHz 1700 MHz to 2200 MHz
VSWR	< 2.5 : 1
Polarization	Left-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-0127-1-W
Tan 686A Color	MBA-0127-1-T
Green 383 Color	MBA-0127-1-G
Aircraft Gray Color	MBA-0127-1-AG

RELATED PRODUCTS

RHCP Version	MBA-0127
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