# 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.

## 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

### 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)

## ENVIRONMENTAL

| Shock             | MILSTD 810F, 20G
| Vibration         | RTCA/DO-160
| Operational Temp. | -31°F to +185°F (-35°C to +85°C)

## 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