

MBA-0263

S/C-Band Panel Antenna

DESCRIPTION

The MBA-0263 is an airborne ISR panel antenna. Designed for manned aircraft, unmanned aerial vehicle- (UAV) and land vehicular-qualified platforms for ground-to-ground, ground-to-air, and air-to-ground communications systems.

Operating between frequencies from 2000 MHz to 6000 MHz, this antenna is optimized for S- and C-Band up and downlinks for integrated use with radomes and electronic systems.

Applications include signal intelligence (SIGINT), intelligence, surveillance and reconnaissance (ISR), sensor systems, and communications. Polarization is provided by hybrid and can be modified.

SPECIFICATIONS

ELECTRICAL

| | |
|----------------|-----------------------------|
| Frequency Band | 2000 MHz to 6000 MHz |
| VSWR | ≤ 2.5 : 1 |
| Polarization | Right-Hand Circular |
| Boresight Gain | +9 dBiC to +18 dBiC Typical |
| Ground Plane | Ground Plane Independent |
| Connector | SMA Female |

ENVIRONMENTAL

| | |
|-------------------|----------------------------------|
| Shock | RTCA/DO-160F |
| Vibration | RTCA/DO-160F |
| Operational Temp. | -67°F to +158°F (-55°C to +70°C) |
| Humidity | Vented |



S/C-Band Panel Array Antenna

MECHANICAL

| | |
|------------------|---|
| Weight | 3.5 lbs (1.5 kg) |
| Dimensions | 14" L x 14" W x 1.5" H (35.6 cm L x 35.6 cm W x 3.81 cm H) |
| Mounting | Available Upon Request |
| Finish (Default) | White Polyurethane Enamel |

MODEL NUMBERS

| | |
|-------------|-----------|
| White Color | MBA-0263 |
| LHCP | MBA-0263L |