

MBA-0261

VHF/UHF Panel Antenna

DESCRIPTION

The MBA-0261 is an airborne panel array for SIGINT and ISR applications. Platforms include unmanned aerial vehicle- (UAV) and land vehicular-qualified antenna designed for ground-to-ground, ground-to-air, and air-to-ground communications and surveillance systems.

Operating between frequencies from 140 MHz to 700 MHz for integrated use with radomes and electronic systems.

The antenna operates at 65% aperture efficiency with a thin form-factor style box. Gain ranges from 2 dBi at the low frequencies to 16 dBi at the high end of the band. Polarization is provided through a hybrid.



VHF/UHF Panel Array Antenna

SPECIFICATIONS

ELECTRICAL

Frequency Band	140 MHz to 700 MHz
VSWR	≤ 2.5 : 1
Polarization	Right-Hand Circular
Boresight Gain	+2 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

MECHANICAL

Weight	95 lbs (43.09 kg)
Dimensions	64" L x 32" W x 6.1" H (162.6 cm L x 81.3 cm W x 15.5 cm H)
Mounting	Available Upon Request
Finish (Default)	White Polyurethane Enamel

MODEL NUMBERS

White Color	MBA-0261
LHCP	MBA-0261L