

# MBA-0187

## Single-Port Multi-Band (Pentalite) Antenna

### DESCRIPTION

Designed for airborne intelligence, surveillance and reconnaissance (ISR) systems, the MBA-0187 is a low-profile, multi-band antenna array with a single (1) output port.

This lightweight antenna has excellent low-frequency performance in a 1.75" thick profile.

It has been qualified using RTCA DO-160G.

The MBA-0187 is the single-port version of the MBA-0183, which has three ports (650 to 1050 MHz, 1500 MHz to 2750 MHz, 3600 MHz to 5900 MHz).



*Single-Port Multi-Band Airborne ISR Antenna*

### SPECIFICATIONS

#### ELECTRICAL

Frequency Band	≤ 690 to 2690 MHz
VSWR	< 2.0 : 1
Polarization	Left-Hand Circular
Gain	+4 dBiC to +7 dBiC
Power	25+ Watts CW
Ground Plane	Ground Plane Independent
Connector	SMA Female
Number of Ports	1

#### ENVIRONMENTAL

Shock	MILSTD 810F, 20G
Vibration	RTCA/DO-160
Operational Temp.	-67°F to +158°F (-55°C to +70°C)

#### MECHANICAL

Weight	4.5 lbs (2 kg)
Dimensions	14" L x 10" W x 1.75" H (35.6 cm L x 25.4 cm W x 4.4 cm H)
Mounting	Available Upon Request
Finish (Default)	F63W12 White Polyurethane Enamel

#### MODEL NUMBERS

Black Color	MBA-0187-B
Tan 686A Color	MBA-0187-T

#### RELATED PRODUCTS

Three-Port Version MBA-0183