

# MBA-0183

## Multi-Band Airborne ISR Antenna

### DESCRIPTION

Designed for airborne intelligence, surveillance and reconnaissance (ISR) systems, the MBA-0183 is a low-profile, multi-band antenna array with three output ports.

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 ( $\leq 690$  to 2690 MHz, LHCP) is the single-port version of the MBA-0183.



*Three-Port Multi-Band Airborne ISR Antenna*

### SPECIFICATIONS

#### ELECTRICAL

Frequency Bands	650 MHz to 1050 MHz 1500 MHz to 2750 MHz 3600 MHz to 5900 MHz
VSWR	< 2.0 : 1
Polarization	Left-Hand or Right-Hand Circular
Gain	+8 dBiC to +12 dBiC
Power	75+ Watts CW
Ground Plane	Ground Plane Independent
Connectors	SMA Female
Number of Ports	3

#### 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-0183-B
Tan 686A Color	MBA-0183-T

#### RELATED PRODUCTS

Single-Port Version	MBA-0187 (LHCP)
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