

MBA-0086

9" Multi-Band Antenna

DESCRIPTION

The MBA-0086 is a compact, low-profile, single-port antenna covering two broad bands from 800 MHz to 1 GHz, and 1.7 GHz to 2 GHz.

This antenna has been qualified for airborne intelligence, surveillance and reconnaissance (ISR) applications.

Applications include multi-band communications.

The MBA-0086 is a single-element version of the MBA-0085 multi-band array and has been qualified for airborne ISR applications.



Multi-Band Array

SPECIFICATIONS

ELECTRICAL

Frequency Bands	800 MHz to 1000 MHz 1700 MHz to 2000 MHz
VSWR	< 2.0 : 1 Typical (95% of Band) 2.5 : 1 Max
Polarization	Right-Hand Circular
Gain	+6 dBiC to +8.5 dBiC
Power	20+ Watts CW
Ground Plane	Ground Plane Independent
Connector	SMA Female

ENVIRONMENTAL

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

MECHANICAL

Weight	3.1 lbs (1.4 kg)
Dimensions	9" L x 9" W x 2.3" H (22.86 cm L x 22.86 cm W x 5.84 cm H)
Mounting	Available Upon Request
Finish (Default)	FED-STD-595 37030 (Black)

MODEL NUMBERS

White Color	MBA-0086-W
Tan 686A Color	MBA-0086-T
Green 383 Green	MBA-0086-G
Aircraft Gray Color	MBA-0086-AG

RELATED PRODUCTS

Multi-Band Array	MBA-0085 (16" [40.64 cm] Square)
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