

MBA-0085

16" Multi-Band Array

DESCRIPTION

The MBA-0085 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 is circularly-polarized with fixed scan angle of 30°. It 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 this MBA-0085 multi-band array.



Multi-Band Array

SPECIFICATIONS

ELECTRICAL

Frequency Bands	820 MHz to 960 MHz 1710 MHz to 1990 MHz
VSWR	< 2.0 : 1 Typical (95% of Band) 2.5 : 1 Max
Polarization	Right-Hand Circular
Gain	+9 dBiC to +10.5 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	7 lbs (3.15 kg)
Dimensions	16" L x 16" W x 2.31" H (40.64 cm L x 40.64 cm W x 5.87 cm H)
Mounting	Available Upon Request
Finish (Default)	FED-STD-595 37030 (Black)

MODEL NUMBERS

White Color	MBA-0085-W
Tan 686A Color	MBA-0085-T
Green 383 Color	MBA-0085-G
Aircraft Gray Color	MBA-0086-AG

RELATED PRODUCTS

Single Element Version MBA-0145 (9" [22.86 cm] Square)