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.

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

MECHANICAL

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

ENVIRONMENTAL

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

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)