

MBA-2545

S-Band Current Sheet Array

DESCRIPTION

The MBA-2545 is an unmanned aerial vehicle- (UAV) and land vehicular-qualified antenna designed for ground-to-ground, ground-to-air, and air-to-ground communications systems.

Operating between frequencies from 2.25 to 4.75 GHz, this antenna is optimized for S-band up and downlinks for integrated use with radomes and electronic systems.

Applications include signal intelligence (SIGINT), intelligence, surveillance and reconnaissance (ISR), sensor systems, and communications.



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SPECIFICATIONS

ELECTRICAL

Frequency Band	2250 MHz to 4750 MHz
VSWR	< 3 : 1 at 2600 MHz to 2900 MHz
Polarization	Linear
Gain	+15 dBi to +17 dBi Typical
Ground Plane	Ground Plane Independent
Connector	SMA Female

MECHANICAL

Weight	2 lbs (5.08 kg)
Dimensions	9.5" L x 9.5" W x 1.19" H (24.1 cm L x 24.1 cm W x 3 cm H)
Mounting	Available Upon Request
Finish (Default)	Solder Mask (Top)
	FED-STD-595 37030 (Black)

ENVIRONMENTAL

Shock	MILSTD 810F, 20G
Vibration	RTCA/DO-160
Operational Temp.	-40°F to +158°F (-30°C to +70°C)

MODEL NUMBERS

White Color	MBA-2545-W
Tan 686A Color	MBA-2545-T
Green 383 Color	MBA-2545-G