

UVW-0827

L/S Band Miniature Blade Antenna

DESCRIPTION

This UAV and vehicular qualified antenna is designed for ground-to-ground, ground-to-air, and air-to-ground communications systems.

This antenna is optimized for the L- and S-Band downlinks with low drag operations. Other applications include SIGINT, cellular, and sensor systems.

A magnetic mount or tubular chassis mounting assembly is optional for vehicular use.



L/S Band Miniature Blade Antenna

SPECIFICATIONS

Electrical

Frequency Band	800 – 3000 MHz
VSWR	< 2.5 : 1
Polarization	-----
Gain	0 dBi (Boresight) 5 dBi (+20°)
Power	20 W CW
Ground Plane	Required with Maximum 2.5 mOHM Contact Resistance
Connector	TNC Female

Mechanical

Weight	1.6 oz (45.5g)
Dimensions	2.2" H x 1.7" W x 2.2" L (5.6 cm x 5.6 cm x 5.6 cm)
Mounting*	1.75" Dia. Tube Quick Clamps (CLP-1547) Magnetic Mount (MM-1547)
Finish	White Polyurethane Enamel
Shock	MIL-STD-810F, 20G
Vibration	RTCA/DO-160C
Temperature Range	-35°C to +85°C

* = optional