

UVW-1547

UAV Communications 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, S, and C-band downlinks with low drag operations. Other applications include SIGINT and sensor systems.

A magnetic mount or tubular chassis mounting assembly is optional.



UVW-1547 Antenna

SPECIFICATIONS

Electrical

Frequency Band	1500 – 4700 MHz
VSWR	< 3.0 : 1
Polarization	Vertical, Linear
Gain	0 dBi (Boresight) 3.3 - 9 dBi (+20°)
Power	10 Watts CW
Ground Plane	Ground Plane Independent
Connector	TNC Female

Mechanical

Weight	< 0.1 lbs (0.05 kg)
Dimensions	2.2" H x 2.2" 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	MIL-DTL-53039, Type IV, CARC AcryGlo White (Default) FED-STD-595 37030 (Black) FED-STD-595 34094 (Green 383) FED-STD-595 33446 (Tan 686A)
Shock	MIL-STD-810F, 20G
Vibration	RTCA/DO-160C
Temperature Range	-35°C to +85°C

* = optional