

UVW-1547

UAV Communications Antenna



DESCRIPTION

The UVW-1547 is an unmanned aerial vehicle-(UAV) and land vehicular-qualified blade antenna designed for ground-to-ground, ground-to-air, and air-to-ground communications systems.

Operating within frequencies between 1500 to 4700 MHz, this antenna is optimized for the L, S, and C-band downlinks with low drag operations.

Applications include signal intelligence (SIGINT), intelligence and sensor systems.



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SPECIFICATIONS

ELECTRICAL

Frequency Band	1500 MHz to 4700 MHz
VSWR	< 3.0 : 1
Polarization	Vertical, Linear
Gain	+3.3 dBi to +4.5 dBi
Boresight Gain	0 dBi
Power	10+ Watts CW
Ground Plane	Ground Plane Independent
Connector	TNC Female

ENVIRONMENTAL

Shock	MIL-STD-810F
Vibration	RTCA/DO-160C
Operational Temp.	-31°F to +149°F (-35°C to +65°C)

MECHANICAL

Weight	1.1 oz (0.03 kg)
Dimensions	2.2" L x 2.2" W x 2.2" H (5.6 cm L x 5.6 cm W x 5.6 cm H)
Mounting	Available Upon Request
Finish (Default)	MIL-DTL-53039, Type IV, CARC AcryGlo White

MODEL NUMBERS

Black Color	UVW-1547-B
Tan 686A Color	UVW-1547-T
Green 383 Color	UVW-1547-G
Clamp Mount	CLP-UVW
Magnetic Mount	MM-UVW