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.

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