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 +9 dBi (+20°)
- Boresight Gain: 0 dBi
- Power: 10+ Watts CW
- Ground Plane: Ground Plane Independent
- Connector: TNC Female

MECHANICAL

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

ENVIRONMENTAL

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

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