UVW-0220

UHF Aerospace Blade Antenna

DESCRIPTION

The UVW-0220 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.

This antenna is optimized for applications between 225 to 3000 MHz with low drag operations.

Applications include signal intelligence (SIGINT), intelligence, surveillance and reconnaissance (ISR), sensor systems, and communications.

SPECIFICATIONS

ELECTRICAL

Frequency Band 225 MHz to 3000 MHz
VSWR < 3.0 : 1
Polarization Vertical, Linear
Gain -2 dBi to +5 dBi (+75°)
Power 100 Watts CW
Ground Plane Ground Plane Independent
Connector TNC Female

MECHANICAL

Weight 9 oz (0.26 kg)
Dimensions 4.53” L x 2” W x 5.75” H
Mounting Available Upon Request
Finish (Default) F63W12 White Polyurethane Enamel

ENVIRONMENTAL

Shock RTCA/DO-160, Section 7, Cat A
Vibration RTCA/DO-160, Section 8, Cat S
Operational Temp. -31°F to +149°F (-35°C to +65°C)

MODEL NUMBERS

Black Color UVW-0220-B
Tan 686A Color UVW-0220-T
Green 383 Color UVW-0220-G
Clamp Mount CLP-UVW
Magnetic Mount MM-UVW