

# 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.



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### 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

#### 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)

#### MECHANICAL

Weight	9 oz (0.26 kg)
Dimensions	4.53" L x 2" W x 5.75" H (11.51 cm L x 5.11 cm W x 14.61 cm H)
Mounting	Available Upon Request
Finish (Default)	F63W12 White Polyurethane Enamel

#### 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