

# UVW-0430B

## UHF Dipole Blade Antenna



### DESCRIPTION

The UVW-0430B 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 400 to 6000 MHz with low drag operations.

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

The upgraded blade is capable of 5psi side loading, up 2.5 psi from its predecessor, the UVW-0430A.



*UHF Aerospace Blade Antenna*

### SPECIFICATIONS

#### ELECTRICAL

Frequency Band	400 MHz to 6000 MHz
VSWR	< 3.0 : 1
Polarization	Vertical, Linear
Gain	-2 dBi to +5 dBi
Power	100 Watts CW
Ground Plane	Ground Plane Independent
Connector	TNC Female

#### MECHANICAL

Weight	7 oz (0.2 kg)
Dimensions	4.44" L x 1.99" W x 5.84" H (11.28 cm L x 5.05 cm W x 14.84 cm H)
Vibration	RTCA DO-160, Section 8, Cat R, Curve G RTCA DO-160, Section 8, Cat S, Curve C
Shock	RTCA DO-160, Section 7, Category A
Temperature, Operating	-67° to 158°F (-55° to 70°C)
Temperature, Storage	-67° to 185°F (-55° to 85°C)
Service Altitude	55,000 ft
Mounting	Available Upon Request
Finish (Default)	White, Unless Otherwise Specified