

# UVW-0827

## L/S Band Miniature Blade Antenna



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### DESCRIPTION

The UVW-0827 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 1100 to 4500 MHz, this antenna is optimized for L- and S-band downlinks with low drag operations.

Applications include signal intelligence (SIGINT), cellular, and sensor systems.

### SPECIFICATIONS

#### ELECTRICAL

Frequency Band	1100 MHz to 4500 MHz
VSWR	< 2.5 : 1
Polarization	Vertical, Linear
Gain	+5 dBi (+25°)
Boresight Gain	0 dBi
Power	20 Watts CW
Ground Plane	Required w/ Max. 2.5 mOHM Contact Resistance
Connector	TNC Female

#### ENVIRONMENTAL

Shock	MIL-STD-810F, 20G
Vibration	RTCA/DO-160C
Operational Temp.	-31°F to +149°F (-35°C to +65°C)

#### MECHANICAL

Weight	1.6 oz (45.5 g)
Dimensions	2.2" L x 1.7" W 2.2" H (5.6 cm L x 4.3 cm W x 5.6 cm H)
Mounting	Available Upon Request
Finish (Default)	F63W12 White Polyurethane Enamel

#### MODEL NUMBERS

Black Color	UVW-0827-B
Tan 686A Color	UVW-0827-T
Green 383 Color	UVW-0827-G
Clamp Mount	CLP-UVW
Magnetic Mount	MM-UVW