

12-3792

CHELTON

Passive VUHF Blade Antenna

Key features:

- Gain at 30MHz is > -22.5dBi, height ~15inches
- PU leading edge strip
- High power operation
- High Temp

The 12-3792 is a high efficiency broadband airborne blade antenna designed to cover the frequency bands 30-400 MHz (not continuous).

ELECTRICAL

Frequency Range (MHz)	30-400
Impedance	50 Ω
VSWR	<2.5:1 max 30-88 MHz <2.5:1 max 108-118 MHz <2.0:1 max 118-174 MHz <2.0:1 max 225-400 MHz
Gain	30MHz \geq -22.5 88MHz \geq -11.0 108MHz \geq -8.0 174MHz \geq 0.0 225MHz \geq +2.5 300MHz \geq +4.0 400MHz \geq +3.0
Polarisation	Vertical

MECHANICAL

Dimensions (LxWxH)	273 x 100 x 372 mm
Weight	1.6 kg
Connector	TNC Female

Standards

Continuous Operating Temperature	- 54°C Min + 71, 95 (int)°C Max
Altitude	70000 ft
Vibration	MIL-A-85670(AS) Paras 4.5.3.5.1 to 4.5.3.5.5

