# 16-112

## CHELTON

Dual-band UHF and L-band Blade Antenna.

### **Key features:**

- Dual band passive
- High Power

The 16-112 is a dual band blade antenna operating in the frequency ranges 225 MHz to 400 MHz and 960 MHz to 1220 MHz. It is designed for use in general airborne applications.

The **16-112** consist of a broadband monopole structure, which utilises a tapped stub matching network and decoupling slots to give the required electrical performance in the frequency bands 225 to 400 MHz and 960 MHz to 1220 MHz

#### ELECTRICAL

Impedance	50 Ω
VSWR	225-240 MHz ≤2.6:1 960-1020 MHz ≤1.8:1
	240-260 MHz ≤2.4:1 1020-1100 MHz ≤1.6:1
	260-400 MHz ≤2.2:1 1100-1220 MHz ≤1.8:1
Gain	225-260 MHz ≥ 0 dBi
	260-400 MHz ≥+1 dBi
	960-1220 MHz ≥+1.5 dBi
Polarisation	Vertical
Radiation	Omnidirectional

#### MECHANICAL

Dimensions (LxWxH)	122 x 53 x 206 mm
Weight	0.46 kg
Connector	N type female
Platform(s)	Air







#### **ENVIRONMENTAL**

Environmental	MIL-E-5400T MIL-STD-810
Continuous Operating Temperature	- 54°C Min + 95°C Max
Altitude	70000 ft

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