

16-112

CHELTON

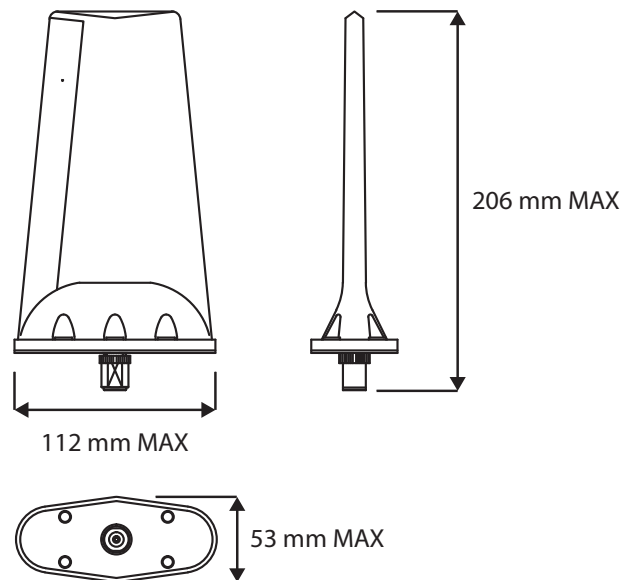
Dual-band UHF and L-band
Blade Antenna.

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 $\leq 2.6:1$ 960-1020 MHz $\leq 1.8:1$ 240-260 MHz $\leq 2.4:1$ 1020-1100 MHz $\leq 1.6:1$ 260-400 MHz $\leq 2.2:1$ 1100-1220 MHz $\leq 1.8:1$
Gain	225-260 MHz ≥ 0 dBi 260-400 MHz $\geq +1$ dBi 960-1220 MHz $\geq +1.5$ 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