

10A14-4

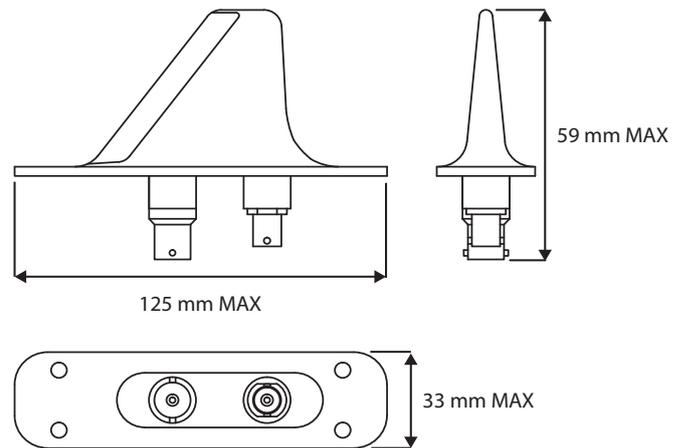
CHELTON

L-band Blade for IFF Transponder.

Key features:

- With test port
- C type connector
- 4 hole base

The 10A14-4 is a blade antenna covering the full IFF/Tacan/DME frequency band and designed for high speed airborne applications. The antenna includes a test port.



ELECTRICAL

Frequency Range (MHz)	950-1220
Impedance	50 Ω
VSWR	$\leq 1.7:1$
Gain	≥ -6 dB wrt $\lambda/4$ monopole
Polarisation	Vertical
Radiation	Omnidirectional
Power Handling	50W mean (max) 4 kW peak (max)

MECHANICAL

Dimensions (LxWxH)	125 x 33 x 59 mm
Height Above Base	59 mm
Mass	0.125 kg
Connector	Type C female (antenna) Type BNC female (test port)
Platform(s)	Air

ENVIRONMENTAL

Standards	MIL-STD-810
Continuous Operating Temperature	-33°C Min +71, 96 (Intermittent)°C Max
Altitude	55000 ft
Vibration	MIL-STD-810D Method 520.0 Procedure 3 (10 cycles)

