

10A21

CHELTON

L-Band Blade.

Key features:

- Single port
- TNC connector
- 4 holes
- Low Profile
- Low Drag

Type 10A21 is a low profile and rugged L-Band antenna, designed for airborne applications, covering the frequency range 960 to 1215 MHz. Protected by a fibreglass shell.



ELECTRICAL

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|------------------------------|---|
| Frequency Range (MHz) | 960 - 1215 |
| Impedance | 50 Ω |
| VSWR | 960 - 1000 <1.8:1; 1000-1100 <1.4:1; 1100 - 1215 <1.8:1 |
| Gain | ≥ 3 dB relative to a resonant quarter wave monopole when measured on a 2m diameter groundplane |
| Polarisation | Vertical |
| Radiation | Omnidirectional |
| Power Handling | ≥ 3 kW peak power at a mean level of 15W at 35,000 ft |

MECHANICAL

| | |
|---------------------------|-----------------------|
| Dimensions (LxWxH) | 72.4 x 40.6 x 77.5 mm |
| Height Above Base | 77.5 mm |
| Mass | 0.085 kg max |
| Connector | TNC Female |
| Platform(s) | Air |

ENVIRONMENTAL

| | |
|---|--|
| Continuous Operating Temperature | - 40°C Min + 70°C Max |
| Altitude | 35000 ft |
| Vibration | BS 3G 100 Pt. 2. Sect 3.3.1, Region A, Cat 5 |

