

12-137E

CHELTON

VHF Blade Antenna with VOR/LOC Loop

Key features:

- **Dual Function Design**
- **Ruggedised for high sideload.**
- **High Performance**
- **Designed to TSO C36e, C37d, C38d, C40c**

The 12-137E is a combined VOR/LOC and VHF communications antenna. It covers the frequency bands 108-118 MHz for VOR/LOC reception, and 118-152 MHz for VHF communications.

ELECTRICAL

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|---------------------|---|
| Impedance | 50 Ω |
| VSWR | > 3.5 dB (5:1 max) VOR/LOC > 7.4 dB (2.5:1 max) VHF1.5:1 |
| Gain | VOR/LOC: >-10 dB relative to a resonant 113 MHz dipole VHF: > -6 dB relative to a monopole |
| Polarisation | VOR/LOC: Horizontal VHF: Vertical |

MECHANICAL

| | |
|---------------------------|------------------------------------|
| Dimensions (LxWxH) | 404 x 404 x 287 mm |
| Mass | 3 kg |
| Connector | BNC FEMALE VOR/LOC BNC MALE VHF |

Standards

| | |
|---|-----------------------------|
| Continuous Operating Temperature | - 55°C Min + 70°C Max |
| Altitude | 35000 ft |
| Vibration | RTCA DO-160C, Sect 8, Cat C |

