

Dual-frequency “Elevated-Feed” ½ λ Dipole Antenna for Portable Equipment in the 900 and 1800 MHz Band

DESCRIPTION

- Flexible skirt dipole antenna element built into an elastic shroud of hard-wearing and weather- and shockproof plastics.
- “Elevated feed” ½ λ-dipole antenna element – groundplane independent.
- High gain and efficient decoupling from the portable equipment due to half-wave design.
- 5 dB gain (typ.) compared to a ¼ λ antenna whip on the same equipment.
- Highest quality materials in a modern “High-Tech” design.
- Provided with TNC (male) connector.



SPECIFICATIONS

| Electrical       |                                                                              |
|------------------|------------------------------------------------------------------------------|
| Model            | ELF 900/1800-TNC                                                             |
| Frequency        | 880 - 960 MHz (EGSM/NMT-900) and 1710 - 1880 MHz (DCS-1800/PCN)              |
| Antenna Type     | Dual-frequency elevated feed ½ λ skirt dipole antenna for portable equipment |
| Max. Input Power | 25 W                                                                         |
| Polarisation     | Vertical                                                                     |
| Impedance        | 50 Ω                                                                         |
| Gain             | 5 dB (compared to a ¼ λ portable antenna)                                    |
| VSWR             | See typical curve                                                            |
| Bandwidth        | 80 MHz (900 MHz)<br>170 MHz (1800 MHz)                                       |

| Mechanical    |                               |
|---------------|-------------------------------|
| Connection(s) | TNC(m)                        |
| Materials     | Thermoplastic rubber<br>Brass |
| Colour        | Black                         |
| Height        | Approx. 210 mm / 8.27 in.     |
| Weight        | 0.04 kg / 0.09 lb.Approx.     |

ORDERING

| Model            | Product No. |
|------------------|-------------|
| ELF 900/1800-TNC | 140000209   |

TYPICAL VSWR CURVE

