

ELF 900/...-TNC

"Elevated-Feed" 1/2 λ Dipole Antenna for Portable Equipment in the 900 MHz Band

PROCOM



DESCRIPTION:

- ★ Flexible skirt dipole antenna element built into an elastic shroud of hard-wearing and environment-proof plastics.
- ★ "Elevated feed" 1/2 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 1/4 λ antenna whip on the same equipment.
- ★ Highest quality materials in a modern "High-Tech" design.
- ★ Delivered factory tuned to customer's specified frequency or cellular network.
- ★ Provided with TNC (male) connector.

ORDERING DESIGNATIONS:

When ordering the antenna, please state the centre frequency or the name of a cellular network.

EXAMPLES OF ORDERING:

| FREQUENCY/ CELLULAR NETWORK | TYPE |
|--------------------------------|-------------------|
| 915 MHz | ELF 900/915-TNC |
| NMT-900 | ELF 900/NMT-TNC |
| ETACS | ELF 900/ETACS-TNC |

SPECIFICATIONS:

| ELECTRICAL | |
|--------------|---|
| ANTENNA TYPE | Elevated feed 1/2 λ skirt dipole antenna for portable equipment |
| FREQUENCY | 870–960 MHz |
| IMPEDANCE | Nom. 50 Ω |
| POLARISATION | Vertical |
| GAIN | 5 dB (compared to a 1/4 λ portable antenna) |
| BANDWIDTH | ≥ 70 MHz at SWR ≤ 2.0 |
| SWR | < 1.3 at f. res. |
| MAX. POWER | 25 watt |
| MECHANICAL | |
| MATERIALS | Thermoplastic rubber Brass |
| COLOUR | Black |
| TOTAL HEIGHT | Approx. 210 mm |
| WEIGHT | Approx. 40 g |
| CONNECTOR | TNC |

