

“Elevated-Feed” ½ λ dipole antenna for portable equipment in the 900 MHz band

DESCRIPTION

- Flexible skirt dipole antenna element built into an elastic shroud of hard-wearing and environment-proof plastics.
- “Elevated feed” ½ λ dipole antenna element – groundplane independent.
- High gain and efficient decoupling from the portable equipment due to half-wave design.
- 3 dB gain (typ.) compared to a ¼ 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 system.
- Provided with TNC(m) connector.



SPECIFICATIONS

Electrical	
Model	ELF 900/...-TNC
Frequency	Models within 835 - 960 MHz
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	0 dBd / 2.15 dBi (3 dB compared to a ¼ λ portable antenna)
VSWR	< 1.3:1 @ f. res.
Bandwidth	≥ 70 MHz @ VSWR ≤ 2.0

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

ORDERING DESIGNATIONS

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

ORDERING

Model	Product No.	Frequency
ELF 900/...-TNC(m)	140000212	To be stated within 850 - 960 MHz
ELF 900/870-TNC(m)	140000208	835 - 905 MHz
ELF 900/h-TNC(m)	140000604	880 - 960 MHz

TYPICAL VSWR CURVE

