

Dual-frequency

DESCRIPTION

- > Flexible skirt dipole antenna element built into an elastic shroud of hard-wearing and weather- and shockproof plastics.
- > "Elevated feed" $\frac{1}{2}$ 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 $\frac{1}{4}$ 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 $\frac{1}{2}$ λ skirt dipole antenna for portable equipment
Max. Input Power	25 W
Polarisation	Vertical
Impedance	50 Ω
Gain	5 dB (compared to a $\frac{1}{4}$ λ portable antenna)
VSWR	< 1.5:1 @ f. res. at 900 MHz < 1.1 @ f. res. at 1800 MHz
Bandwidth	900 MHz: = 65 MHz @ SWR = 2.0:1 (typ.) 1800 MHz: = 150 MHz @ SWR = 2.3:1 (typ.)
Mechanical	
Connection(s)	TNC(m)
Materials	Thermoplastic rubber Brass
Colour	Black
Height	210 mm / 8.27 in.
Weight	0.04 kg / 0.09 lb

ORDERING

Type	Product No.
ELF 900/1800-TNC	140000209



DIAGRAM

TYPICAL SWR CURVE

