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) 170 MHz (1800 MHz)

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

Model	Product No.
ELF 900/1800-TNC	140000209

TYPICAL VSWR CURVE