

“Elevated-Feed” 1/2 λ Dipole Antenna for Portable
Equipment in the 1800 MHz Band

DESCRIPTION

- Flexible skirt dipole antenna element built into an elastic shroud of hard-wearing and weather- and shockproof 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 system.
- Provided with TNC (male) connector.



SPECIFICATIONS

Electrical	
Model	ELF 1800/...-TNC
Frequency	Center frequency to be stated within 1700 - 2000 MHz
Antenna Type	Elevated feed 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 1/4 λ portable antenna)
VSWR	< 1.3:1 @ f. res.
Mechanical	
Connection(s)	TNC(m)
Materials	Thermoplastic rubber Brass
Colour	Black
Height	Approx. 190 mm / 7.48 in.
Weight	0.03 kg / 0.07 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 1800/DCS-TNC	140000272	DCS-1800/PCN
ELF 1800/DECT-TNC	140000249	DECT

TYPICAL VSWR CURVE

