

“Elevated-Feed” 1/2 λ Dipole Antenna for Portable
Equipment in the 1300 MHz Band

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.
- 3 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.
- Provided with TNC(m) connector.



SPECIFICATIONS

Electrical	
Model	ELF 1300/...-TNC
Frequency	1200 - 1300 MHz
Antenna Type	Dual-frequency elevated feed 1/2 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 1/4 λ portable antenna)
VSWR	< 1.3:1 @ f. res.
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, e.g. ELF 1300/1296-TNC for centre frequency 1296 MHz.

ORDERING

Model	Product No.	Frequency
ELF 1300/1230-TNC(m)	140000215	1200 - 1260 MHz
ELF 1300/1230-TNC(m)	140000216	1200 - 1300 MHz

TYPICAL VSWR CURVE

