

ELF 900/1800-TNC

Dual-frequency "Elevated-Feed" $\frac{1}{2} \lambda$ Dipole Antenna for Portable Equipment in the 900 MHz Band 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" $\frac{1}{2} \lambda$ -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 $\frac{1}{4} \lambda$ antenna whip on the same equipment.
- Highest quality materials in a modern "High-Tech" design.
- Provided with TNC (male) connector.



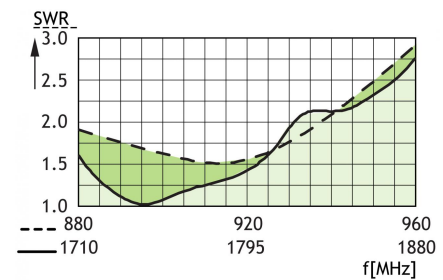
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
ELF 900/1800-TNC	140000209

SPECIFICATIONS

ELECTRICAL	
MODEL	ELF 900/1800-TNC
ANTENNA TYPE	Dual-frequency elevated feed $\frac{1}{2} \lambda$ skirt dipole antenna for portable equipment
FREQUENCY	880 – 960 MHz (EGSM/NMT-900) and 1710 – 1880 MHz (DCS-1800/PCN)
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	5 dB (compared to a $\frac{1}{4} \lambda$ portable antenna on the same equipment)
BANDWIDTH	900 MHz: ≥ 65 MHz @ SWR ≤ 2.0 (typ.) 1800 MHz: ≥ 150 MHz @ SWR ≤ 2.3 (typ.)
SWR	< 1.5 @ f. res. at 900 MHz < 1.1 @ f. res. at 1800 MHz
MAX. POWER	25 W
MECHANICAL	
MATERIALS	Thermoplastic rubber Brass
COLOUR	Black
TOTAL HEIGHT	Approx. 210 mm
WEIGHT	Approx. 40 g
CONNECTOR	TNC (male)

TYPICAL SWR CURVE



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