

ELF 2500/...-TNC

"Elevated-Feed" $\frac{1}{2} \lambda$ Dipole Antenna for Portable Equipment in the 2500 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.
- Delivered factory tuned to customer's specified frequency.
- Provided with TNC (male) connector.



ORDERING DESIGNATIONS

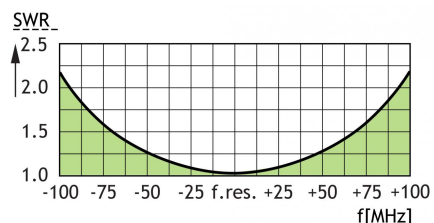
TYPE	PRODUCT NO.	FREQUENCY
ELF 2500/...-TNC	140000211	2300 - 2500 MHz

When ordering the antenna, please state the centre frequency.

SPECIFICATIONS

ELECTRICAL	
ANTENNA TYPE	Elevated feed $\frac{1}{2} \lambda$ skirt dipole antenna for portable equipment
FREQUENCY	To be specified within 2300 – 2500 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	5 dB (compared to a $\frac{1}{4} \lambda$ portable antenna)
BANDWIDTH	≥ 160 MHz @ SWR ≤ 2.0
SWR	< 1.3 @ f. res.
MAX. POWER	25 W
MECHANICAL	
CONNECTOR	TNC
MATERIALS	Thermoplastic rubber Brass
COLOUR	Black
TOTAL HEIGHT	Approx. 190 mm
WEIGHT	Approx. 30 g

TYPICAL SWR CURVES



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