

# ELF 900/...-TNC

“Elevated-Feed”  $\frac{1}{2} \lambda$  dipole antenna for portable equipment in the 900 MHz band

## DESCRIPTION

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



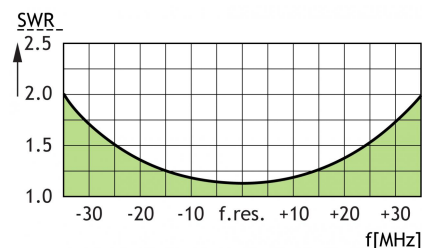
## ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY
ELF 900/...-TNC	140000212	To be stated within 850 - 960 MHz
ELF 900/h-TNC	140000604	880 - 960 MHz

## SPECIFICATIONS

ELECTRICAL	
MODEL	ELF 900/...-TNC
ANTENNA TYPE	Elevated feed $\frac{1}{2} \lambda$ skirt dipole antenna for portable equipment
FREQUENCY	Models within 850 - 960 MHz
IMPEDANCE	Nom. 50 $\Omega$
POLARIZATION	Vertical
GAIN	5 dB (compared to a $\frac{1}{4} \lambda$ portable antenna)
BANDWIDTH	$\geq 70$ MHz @ SWR $\leq 2.0$
SWR	$< 1.3$ @ f. res.
MAX. POWER	25 W
MECHANICAL	
MATERIALS	Thermoplastic rubber Brass
COLOUR	Black
TOTAL HEIGHT	Approx. 210 mm
WEIGHT	Approx. 40 g
CONNECTOR	TNC

## TYPICAL SWR CURVE



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