

# ELF 900/1800-TNC

Dual-frequency "Elevated-Feed"  $1/2 \lambda$  Dipole Antenna for Portable Equipment in the 900 MHz Band and 1800 MHz Band

PROCOM



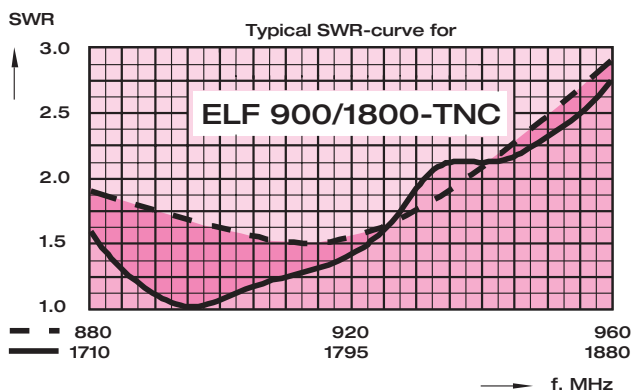
## DESCRIPTION:

- ★ Flexible skirt dipole antenna element built into an elastic shroud of hard-wearing and environment-proof plastics.
- ★ "Elevated feed"  $1/2 \lambda$ -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  $1/4 \lambda$  antenna whip on the same equipment.
- ★ Highest quality materials in a modern "High-Tech" design.
- ★ Provided with TNC (male) connector.

EGSM 900/1800

## SPECIFICATIONS:

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



PROCOM A/S reserve the right to amend specifications without prior notice.