

TRI 2/900/FM

Triplexer for Two Mobile Telephones (144–175 MHz (COM1)/880–960 MHz (COM2)) and Car Radio (0–108 MHz)



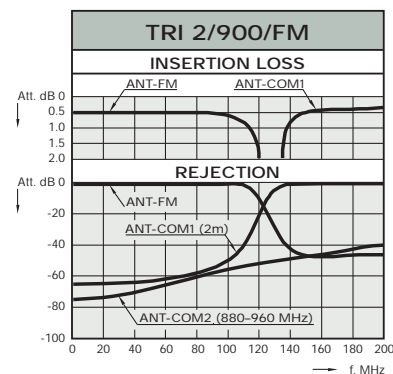
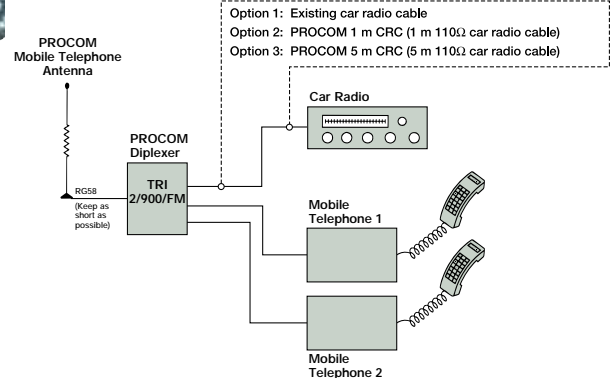
DESCRIPTION:

- ★ Triplexer for simultaneous operation of two mobile telephones and car radio on a common mobile telephone antenna.
- ★ Excellent coverage of the two bands 144–175 MHz and 880–960 MHz.
- ★ Extremely small dimensions.
- ★ Quick installation using dual-adhesive pad provided.
- ★ FME-connections on antenna and transceiver terminals
– CRC (M10 x 0.75) connection on the car radio terminal.
- ★ 1 m or 5 m PROCOM 110 Ohm car radio cable available as an option.



SPECIFICATIONS:

ELECTRICAL	
FREQUENCY	Mobile telephone 1 : 144–175 MHz (COM1) Mobile telephone 2 : 880–960 MHz (COM2) Car radio : 0–108 MHz (RADIO)
MAX. INPUT POWER	35 watt max./mobile telephone
INSERTION LOSS	0–108 MHz : ≤ 1.0 dB 144–175 MHz : ≤ 0.8 dB 880–960 MHz : ≤ 0.7 dB
ISOLATION	COM1 to COM2 ≥ 45 dB COM1 to car radio ≥ 35 dB COM2 to car radio ≥ 45 dB
IMPEDANCE	Transceivers : 50 Ω Car radio : 110 Ω
MECHANICAL	
TEMP. RANGE	- 30° C i +70° C
CONNECTORS	COM1, COM2, Antenna: FME Car radio: CRC-Connector (M10 x 0.75)
DIMENSIONS (W x H x D)	50 x 21 x 60 mm
WEIGHT	Approx. 68 g
ACCESSORIES	Car radio cable Type 1 m CRC (length 1 m) Type 5 m CRC (length 5 m)



INSTALLATION NOTES:

1. The 50 Ω cable between antenna and diplexer should be kept as short as possible (preferably not more than 1 m).
2. Some communication antennas have insufficient height to ensure satisfactory broadcast reception. Only antenna whips with a height of at least 25 cm are acceptable.
3. **Tuning:** The antenna is tuned for best SWR at the operating frequency as usual. The filter is factory-tuned and ready for installation.