

TRI 2/900-1800-UMTS/FM

Triplexer for Two Mobile Telephones
(144–175 MHz (COM1)/880–2300 MHz (COM2))
and Car Radio (0–108 MHz)



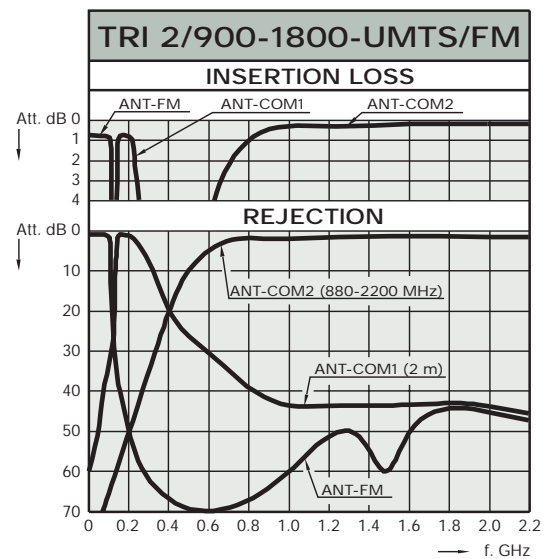
DESCRIPTION:

- ★ 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 880–2300 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 : 880–2300 MHz (COM2) Car radio : 0–108 MHz (RADIO) |
| MAX. INPUT POWER | 35 watt max./mobile telephone |
| INSERTION LOSS | 0–108 MHz : ≤ -1.5 dB 144–175 MHz : ≤ 1.0 dB 880–2300 MHz : ≤ 0.7 dB |
| ISOLATION | COM1 to COM2 ≥ 40 dB COM1 to car radio ≥ 35 dB COM2 to car radio ≥ 40 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.