

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

### 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 75 Ohm car radio cable available as an option.



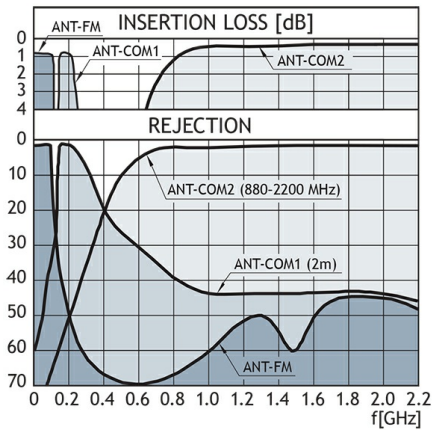
### SPECIFICATIONS

Electrical	
Model	TRI 2/900/1800/UMTS/FM
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 W mobile telephone
Insertion Loss	0 - 108 MHz : 1.5 dB 144 - 175 MHz : 1.0 dB 880 - 2300 MHz : 0.7 dB
Impedance	Transceiver : 50 Ω Car radio : 75 Ω
Isolation	COM1 to COM2 ≥ 40 dB COM1 to car radio ≥ 35 dB COM2 to car radio ≥ 40 dB
Mechanical	
Connection(s)	COM1, COM2, Antenna : FME Car radio : CRC-Connector (M10 x 0.75)
Dimensions	50 x 21 x 60 mm / 1.97 x 0.83 x 1.97 in.
Weight	Approx. 0.068 kg / 0.15 lb.
Accessories	Car radio cable Type 1 m CRC (length 1 m) Type 5 m CRC (length 5 m)
Environmental	
Operating temperature range	-30 °C to +70 °C

### ORDERING

Model	Product No.
TRI 2/900/1800/UMTS/FM	200000792

TYPICAL RESPONSE CURVE



INSTALLATION NOTES

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

CONNECTION DIAGRAM

