

LH 108/800

Diplexer for Mobile Telephone (800–2400 MHz)
and Car Radio (0–108 MHz)



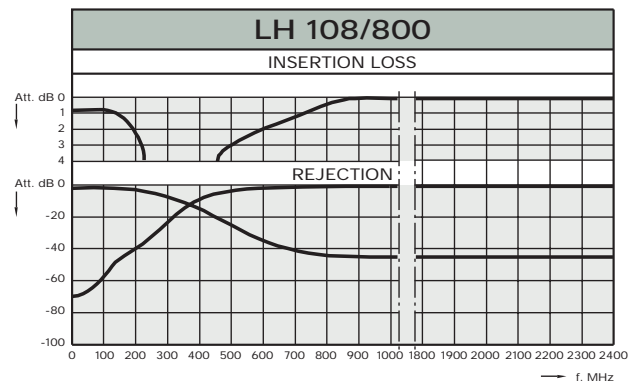
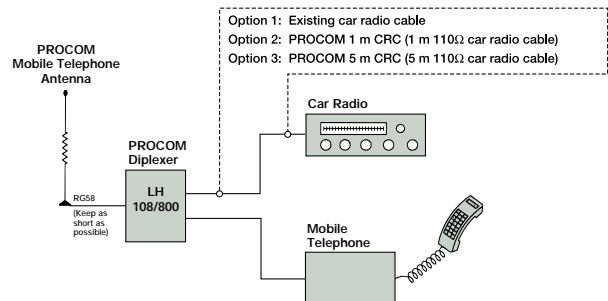
DESCRIPTION:

- ★ Diplexer for simultaneous operation of mobile telephone and car radio on a common mobile telephone antenna.
- ★ Excellent wide-band coverage 800–2400 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: 800–2400 MHz Car radio : 0–108 MHz
MAX. INPUT POWER	25 watt
INSERTION LOSS	0–108 MHz : ≤ 1.0 dB 800–2400 MHz : ≤ 0.7 dB
ISOLATION	Low to high port: ≥ 45 dB
IMPEDANCE	Transceiver : 50Ω Car radio : 110Ω
MECHANICAL	
TEMP. RANGE	-30°C i $+70^\circ \text{C}$
CONNECTORS	TX/RX : FME Car radio: CRC-Connector (M10 x 0.75) Antenna : FME
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 50Ω 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.