

LHB 80/88

Diplexer for Mobile Telephone (66-80 MHz)
and Car Radio (0-15 MHz and 88-108 MHz)



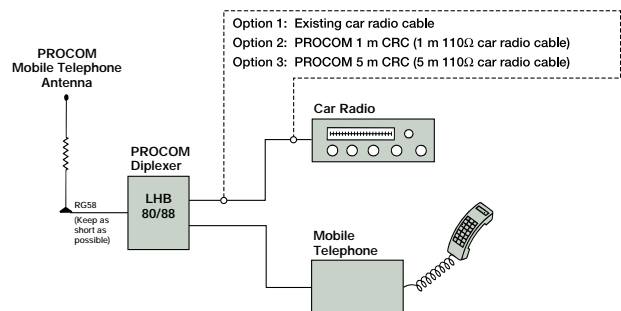
DESCRIPTION:

- ★ Diplexer for simultaneous operation of mobile telephone and car radio on a common mobile telephone antenna.
- ★ 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.

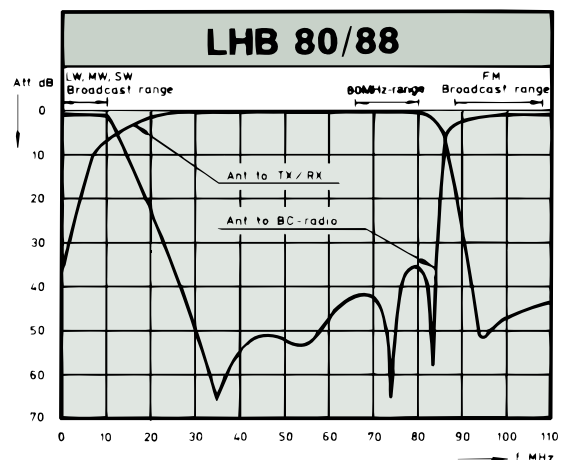


SPECIFICATIONS:

ELECTRICAL	
FREQUENCY	Mobile telephone: 66-80 MHz Car radio: 0-15 MHz and 88-108 MHz
MAX. INPUT POWER	35 watt
INSERTION LOSS	0-15 and 88-108 MHz: ≤ 2.0 dB 66-80 MHz: ≤ 1.5 dB
ISOLATION	Low to high port: ≥ 35 dB
IMPEDANCE	Transceiver : 50 Ω Car radio : 110 Ω
MECHANICAL	
TEMP. RANGE	-30° C i +70° 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. 67 g
ACCESSORIES	Car radio cable Type 1 m CRC (length 1 m) Type 5 m CRC (length 5 m)



TYPICAL RESPONSE CURVES:



INSTALLATION NOTES:

1. The 50 Ω cable between antenna and diplexer should be kept as short as possible (preferably not over 1 m).
2. Some communications antennas have insufficient height to ensure satisfactory broadcast reception. Antenna whips with loading coils or matching networks may affect broadcast reception.
3. **Tuning:** The antenna is tuned for best SWR at the operating frequency as usual. The filter is factory-tuned and ready for installation. The car radio is tuned for optimum reception on the MW-band by means of the antenna tuning screw (if present).