

Diplexer for Mobile Telephone (66 - 80 MHz) and Car Radio (0 - 10 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 ANT and COM PORTS
 - CRC (M10 x 0.75) connection on the car radio port.
- Also available with FME-connector on the car radio port.
- 1 m or 5 m Procom 75 Ohm car radio cable available as an option.



ORDERING

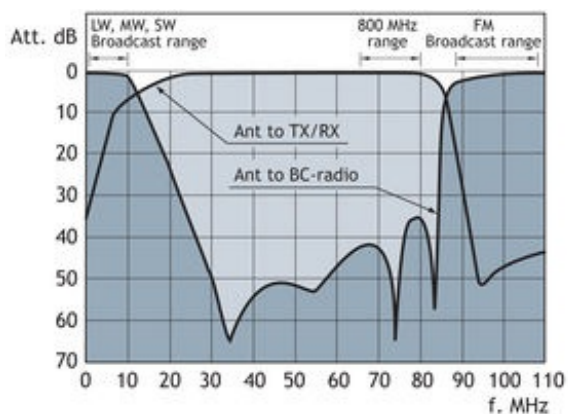
Type	Product No.
LHB 80/88	200000770
LHB 80/88-3FME	200000772

SPECIFICATIONS

Electrical	
Model	LHB 80/88
Frequency	Mobile telephone: 66 - 80 MHz Car radio: 0 - 10 MHz and 88 - 108 MHz
Insertion Loss	0 - 10 and 88 - 108 MHz: = 2.0 dB 66 - 80 MHz: = 1.5 dB
Impedance	ANT and COM ports: 50 Ω Car radio port: 75 Ω
Isolation	Low to high port: = 35 dB
Maximum Input Power	35 W
Mechanical	
Connection(s)	COM port : FME Car radio port: CRC-Connector (M10 x 0.75) FME ANT port : FME
Dimensions	50 x 21 x 60 mm
Weight	0.067 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

ADDITIONAL DATA

TYPICAL RESPONSE CURVE



INSTALLATION



INSTALLATION NOTES

- The 50 Ω cable between antenna and diplexer should be kept as short as possible (preferably not over 1 m).
- Some communication antennas have insufficient height to ensure satisfactory broadcast reception. Antenna whips with loading coils or matching networks may affect broadcast reception.
- 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).