

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

DESCRIPTION

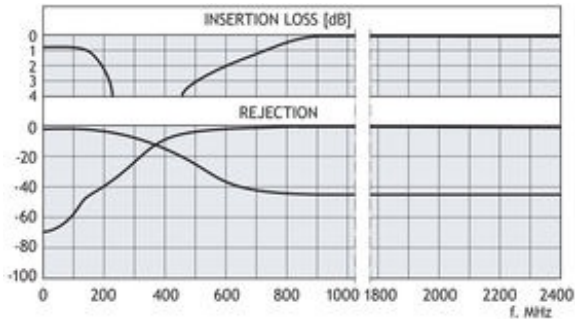
- Diplexer for simultaneous operation of mobile telephone and car radio on a common mobile telephone antenna.
- Excellent wide-band coverage 800 – 2400 MHz.
- Extremely small dimensions.
- Quick installation using dual-adhesive pad provided.
- FME-connections on antenna and transceiver terminals CRC (M10 x 0.75) connection on the car radio terminal.
- 1 m or 5 m Procom 75 Ohm car radio cable available as an option.

ORDERING

Type	Product No.
LH 108/800	200000779

ADDITIONAL DATA

TYPICAL RESPONSE CURVES



(To be ordered separately)

INSTALLATION NOTES

- The 50  $\Omega$  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 SWR at the operating frequency as usual. The filter is factory-tuned and ready for installation.



SPECIFICATIONS

Electrical	
Model	LH 108/800
Frequency	Mobile telephone: 800 MHz - 2400 MHz Car radio : 0 - 108 MHz
Insertion Loss	0 - 108 MHz : = 1.0 dB 800 - 2400 MHz : = 0.7 dB
Impedance	Transceiver : 50 $\Omega$ Car radio : 75 $\Omega$
Isolation	Low to high port: = 45 dB
Maximum Input Power	25 W
Mechanical	
Connection(s)	TX/RX: FME Car radio: CRC-Connector (M10 x 0.75) Antenna : FME
Dimensions	50 x 21 x 60 mm
Weight	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

