

LH 108/136-2G

Diplexer for Mobile Telephone (136-2300 MHz)
and Car Radio (0-108 MHz)



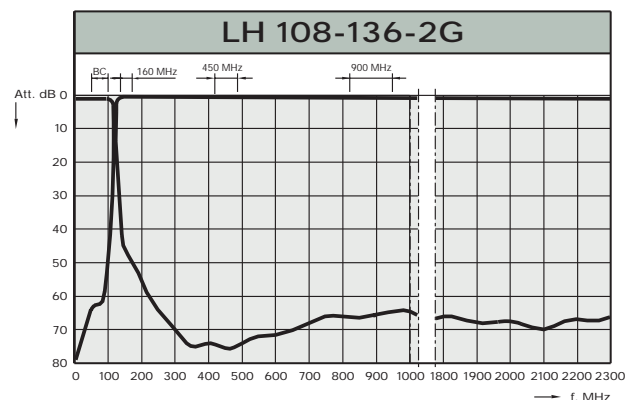
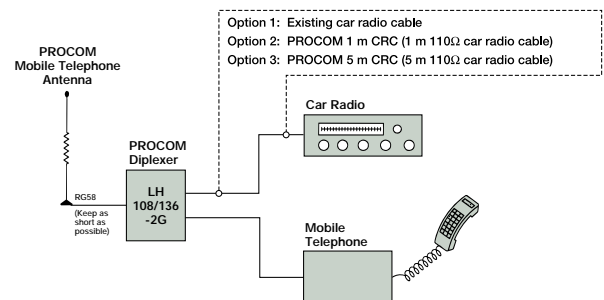
DESCRIPTION:

- ★ Diplexer for simultaneous operation of mobile telephone and car radio on a common mobile telephone antenna.
- ★ Excellent wide-band coverage – LH 108/136-2G is applicable for all the communications bands: 160-, 450-, and 900MHz.
- ★ 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: 136 MHz – 2300 MHz Car radio : 0-108 MHz
MAX. INPUT POWER	35 watt
INSERTION LOSS	0-108 MHz : ≤ 1.0 dB 136-144 MHz : ≤ 0.7 dB 144-2300 MHz : ≤ 0.3 dB
ISOLATION	Low to high port: 45 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. 68 g
ACCESSORIES	Car radio cable Type 1 m CRC (length 1 m) Type 5 m CRC (length 5 m)



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. 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. The car radio is tuned for optimum reception on the MW-band by means of the antenna tuning screw (if present).