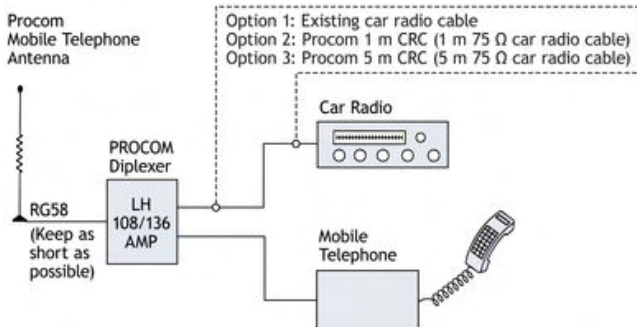


LH 108/136 AMP

Diplexer for Mobile Telephone (136 - 1300 MHz) and Car Radio (0 - 108 MHz) with built-in low-noise amplifier

DESCRIPTION

- Diplexer for simultaneous operation of mobile telephone and car radio on a common mobile radio antenna.
- A single diplexer covers all communication bands 136-1300 MHz.
- Built-in low-noise SMD-equipped amplifier in the car radio section gives freedom of choice of mobile telephone antenna.
- Better reception of car radio signals due to the built-in low-noise amplifier.
- Power supply of the low-noise amplifier via the car radio cable or by direct wiring.
- Extremely compact.
- Quick installation using dual-adhesive pad provided.
- FME-connections on antenna and mobile telephone terminals
 - CRC connection (M10 x 0.75) on the car radio terminal.
 - Power supply 12 V to the low-noise amplifier via CRC-connection.
 - PROCOM 75 Ohm car radio cable available as an option.



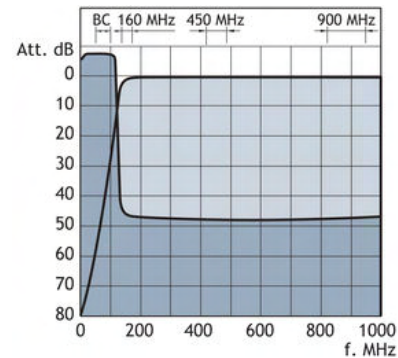
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
LH 108/136 AMP	200 000 768

SPECIFICATIONS

ELECTRICAL	
MODEL	LH 108/136 AMP
FREQUENCY	Mobile telephone: 136 – 1300 MHz Car radio : 0 - 108 MHz
IMPEDANCE	Transceiver : 50 Ω Car radio : 75 Ω
MAX. INPUT POWER	35 W
INSERTION LOSS	0 - 108 MHz : ~ 7 dB Gain 136 - 175 MHz : ≤ 0.7 dB 175 - 1300 MHz : ≤ 0.3 dB
ISOLATION	COM to car radio: > 45 dB
POWER SUPPLY	+12 V from the car via CRC-connection or directly
POWER CONSUMP.	~ 25 mA
MECHANICAL	
TEMP. RANGE	-30° C → +70° C
CONNECTORS	Antenna : FME TX/RX : FME Car radio: CRC-Connector (M10 x 0.75)
DIMENSIONS (W x H x D)	50 x 21 x 60 mm
WEIGHT	Approx. 73 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 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. The car radio is tuned for optimum reception on the MW-band by means of the antenna tuning screw (if present).



PROCOM A/S reserve the right to amend specifications without prior notice.

08/06/2010