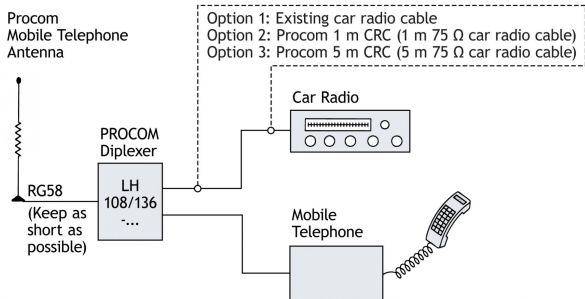


LH 108/136-...

Diplexer for Car Radio and Mobile Telephone

DESCRIPTION

- Diplexer for simultaneous operation of mobile telephone and car radio on a common mobile telephone antenna.
- Diplexer for Car Radio 0 - 108 MHz and Mobile Telephone bands with 2 options:
 - LH 108/136-1G cover 136 - 1300 MHz
 - LH 108/136-2G cover 136 - 2300 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.



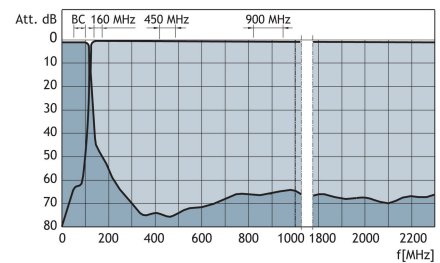
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
LH 108/136-1G	200000769
LH 108/136-2G	200000762

SPECIFICATIONS


ELECTRICAL		
MODEL	LH 108/136-1G	LH 108/136-2G
FREQUENCY	Mobile telephone : 136 MHz – 1300 MHz Car radio : 0 - 108 MHz	Mobile telephone : 136 MHz – 2300 MHz Car radio : 0 - 108 MHz
MAX. INPUT POWER	136 - 500 MHz : < 35 W 500 - 1500 MHz : < 15 W	136 - 500 MHz : < 35 W 500 - 1500 MHz : < 15 W 1500 - 2300 MHz : < 10W
INSERTION LOSS	0 - 108 MHz : ≤ 2.0 dB 136 - 144 MHz : ≤ 0.8 dB typ. ≤ 0.7 dB 144 - 2300 MHz : ≤ 0.7 dB typ. ≤ 0.6 dB	
ISOLATION RADIO to COM	≥ 40 dB typ. ≥ 45 dB > 38 dB at 108 and 136 MHz	
IMPEDANCE	COM : 50 Ω, SWR < 1.5 Radio : 75 Ω	
MECHANICAL		
TEMP. RANGE	-30° C → +70° C	
CONNECTORS	COM : FME 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)	

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.
20/08/12