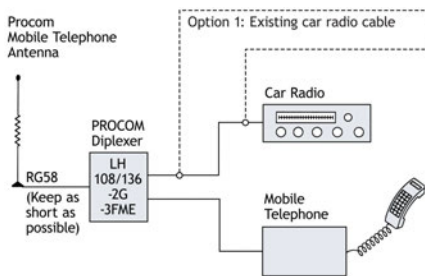


# LH 108/136-2G-3FME

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-3FME is applicable for all the communications bands: 160, 450, 900, 1800 and 2100 MHz.
- Extremely small dimensions.
- Quick installation using dual-adhesive pad provided.
- FME-connections on antenna transceiver terminals and car radio terminals.



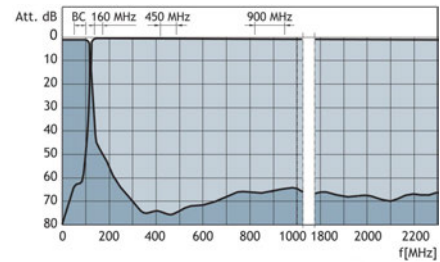
## ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
LH 108/136-2G-3FME	200001709

## SPECIFICATIONS

ELECTRICAL	
MODEL	LH 108/136-2G-3FME
FREQUENCY	Mobile telephone: 136 MHz – 2300 MHz Car radio : 0 - 108 MHz
MAX. INPUT POWER	35 W ≤ 500 MHz 15 W ≤ 1500 MHz 10 W ≤ 2300 MHz
INSERTION LOSS	0 - 108 MHz : ≤ 0.8 dB 136 - 144 MHz : ≤ 0.8 dB 144 - 2300 MHz : ≤ 0.7 dB
ISOLATION	Low to high port: ≥ 45 dB (typical) min. 38 dB on 108 and 136 MHz
IMPEDANCE	Transceiver : 50 Ω Car radio : 50 Ω
MECHANICAL	
TEMP. RANGE	-30° C → +70° C
CONNECTORS	TX/RX: FME Car radio: FME Antenna : FME
DIMENSIONS (W x H x D)	50 x 21 x 60 mm
WEIGHT	Approx. 68 g

## 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.

03/02/12