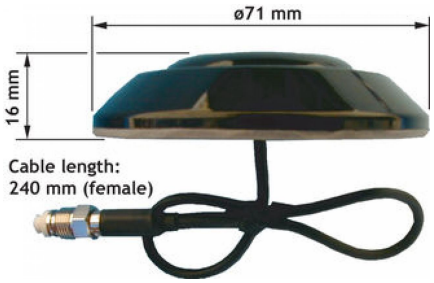
GPS 2000 QM

Active Receiving Antenna for the 1575 MHz NAVSTAR GPS Satellite Navigational System for Landmobile Use

DESCRIPTION

- Flat-pack GPS-antenna for fixed installations.
- Full hemispherical coverage.
- Built-in high gain, low noise amplifier.
- Right-Hand Circular Polarisation (RHCP).
- Available in black.
- 5 V supply voltage (3 V respectively 12 V available on request).
- DC supply via RF-connector.
- EMC tested to IEC 801 and IEC 255.
- Provided with FME (female) connector.
- Wide range of FME-accessories available.
- Double-adhesion procedure ensures fast and reliable fixing.



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
GPS 2000 QM	112000037

SPECIFICATIONS

ELECTRICAL GENERAL SPECIFICATIONS	
MODEL	GPS 2000 QM
ANTENNA TYPE	Active patch antenna
FREQUENCY	1575 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Circular right-hand
COVERAGE	Hemispherical
GAIN (in axial direction)	28 dBi (typ.)
CROSS-POLARISATION ATT.	> 10 dB (typ.)
SELECTIVITY	> 45 dB down at ± 45 MHz
BUILT-IN AMPLIFIER	
GAIN	> 30 dB (typ.)
NOISE FIGURE	≤ 1 dB (typ.)
SWR (output)	≤ 2.0
SUPPLY VOLTAGE	5 ± 0.5 VDC (3 V respectively 12 V available on request)
CURRENT CONSUMPTION	Approx. 20 mA
MECHANICAL	
MOUNTING	10 mm dia. hole
MATERIALS	Cu-nite brass Seawater resistant Lexan
COLOUR	Black
TEMP. RANGE	-30° C →+70° C
CONNECTOR	FME (female)
HEIGHT	Approx. 16 mm
WIDTH/LENGTH	ø71 mm
WEIGHT	Approx. 90 g

FME-SYSTEM ACCESSORIES

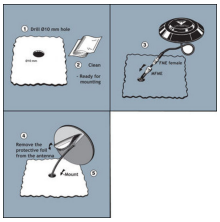
FME-CABLES	
TYPE	PRODUCT NO.
1 m FME	130000437
2 m FME	130000447
3 m FME	130000457
4 m FME	130000466
5 m FME	130000474
6 m FME	130000483
4 m FME-white	110000064
6 m FME-white	110000066
12 m FME-white	110000068
18 m FME-white	110000069

For further information about other types of FME-cables and FME-connectors, please compare the cable and connector data sheets under accessories.

FME-CONNECTORS	
TYPE	PRODUCT NO.
FME-FME	130000583
FME-P (Prolongation)	130000565
FME-N	130000571
FME-FSMA (Female-SMA)	130000578
FME-BNC	130000566
FME-TNC	130000569
FME-UHF	130000572
FME-MUHF (Mini-UHF)	130000573
FME-EMUHF (Elbow-MUHF)	130000582
FME-EBNC (Elbow-BNC)	130000580
FME-ETNC (Elbow-TNC)	130000581
FME-SMA	130000577

INSTALLATION

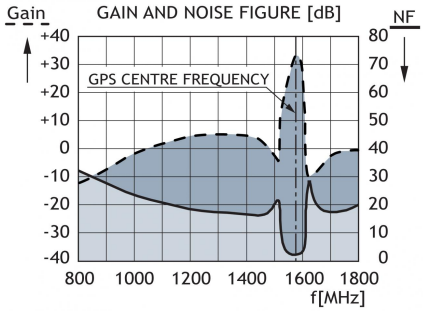
1. **BEFORE INSTALLATION**
   - Environmental and car temperature must be above 15º C at installation, and installation surface must be dry and clean.
2. **INSTALLATION**

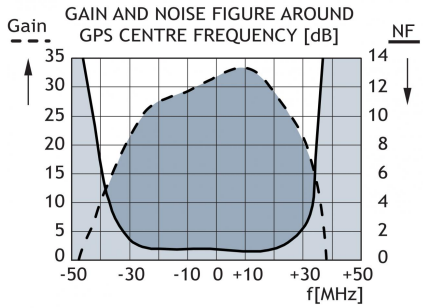


3. **ADHESION ADVICE**
   - It is essential for a good adhesion result that the surface is properly cleaned and dry.
   - A high application pressure improves the binding power.
   - Ideal application temperature range is +20º C to +38º C but may be extended down to +15º C. When applied binding strength is maintained between -30º C and +70º C.

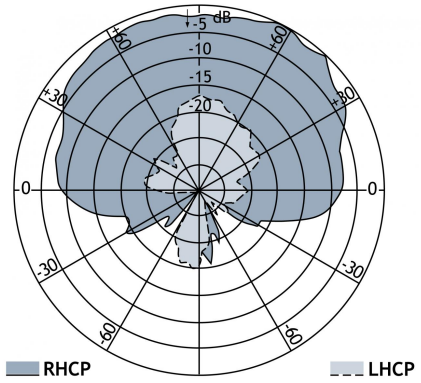
Do not use sealer on rubber gasket or other places.

TYPICAL RESPONSE CURVES





VERTICAL RADIATION PATTERN



PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis.

17/12/14