

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

DESCRIPTION

- Flat-pack GPS-antenna for temporary or fixed installations.
- Full hemispherical coverage.
- Built-in high gain, low noise amplifier.
- Right-hand circular polarization (RHCP).
- Magnet mount – ideal for mounting on e.g. roof of car or vessel.
- 5 V supply voltage (3 V respectively 12 V available on request).
- DC supply via RF-connector.
- Permanently attached 5 m RG 174 coaxial cable terminated with FME (female) connector.
- Wide range of FME-accessories available.

SPECIFICATIONS

Electrical	
Model	GPS 100 KT-FME
Frequency	1575 MHz
Antenna Type	Active patch antenna
Polarisation	Circular
Pattern Type	Hemispherical
Impedance	50 Ω
Axial Gain	27 dBi (typ.)
Cross Polar Attenuation	> 10 dB (typ.)
Selectivity	> 45 dB down @ ± 45 MHz

Mechanical	
Antenna Colour	Black
Connection(s)	FME(f)
Materials	Aluminium and ABS
Cable	5 m RG 174
Dimensions	50 mm dia. / 2.0 in. dia.
Height	15 mm / 0.59 in.
Weight	0.13 kg / 0.29 lb.

GPS Antenna	
Gain (GPS Amplifier)	> 26 dB (typ.)
VSWR (GPS Amplifier)	< 2.0:1
Power Supply (GPS)	5 ± 0.5 VDC
Current Consumption (GPS Amplifier)	0.025 mA

Environmental	
Operating Temperature Range	-35°C to +75°C

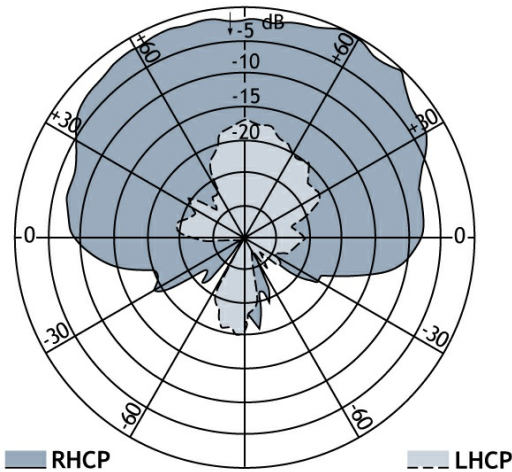


DIMENSIONS



Do not use sealer on rubber gasket or other places.

VERTICAL RADIATION PATTERN



ORDERING

Type	Product No.
GPS 100 KT-FME	112000022
FME-System Accessories	
FME-Cables	
1 m FME	130000437
2 m FME	130000447
3 m FME	130000457
4 m FME	130000466
5 m FME	130000474
6 m FME	130000483
1 m FME-EFME	130000526
2 m FME-EFME	130000527
3 m FME-EFME	130000528
4 m FME-EFME	130000529
5 m FME-EFME	130000530
6 m FME-EFME	130000531
4 m FME-white	110000064
6 m FME-white	110000066
12 m FME-white	110000068
18 m FME-white	110000069
FME-Connectors	
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
MFME-MSMC	130001573

FME-SYSTEM ACCESSORIES - NOTE

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

