

GPS 100 KT-FME

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.



Do not use sealer on rubber gasket or other places.

Ordering designations

TYPE NO.	PRODUCT NO.
GPS 100 KT-FME	112000022

SPECIFICATIONS

ELECTRICAL GENERAL SPECIFICATIONS	
MODEL	GPS 100 KT-FME
ANTENNA TYPE	Active patch antenna
FREQUENCY	1575 MHz (DCS)
IMPEDANCE	Nom. 50 Ω
POLARISATION	Circular right-hand
COVERAGE	Hemispherical
GAIN (in axial direction)	27 dBi (typ.)
CROSS-POLARISATION ATT.	> 10 dB (typ.)
SELECTIVITY	> 45 dB down at ± 45 MHz
BUILT-IN AMPLIFIER	
GAIN	> 26 dB (typ.)
NOISE FIGURE	≤ 3 dB (typ.)
SWR (output)	≤ 2.0
SUPPLY VOLTAGE	5 ± 0.5 VDC
CURRENT CONSUMPTION	Approx. 25 mA
MECHANICAL	
MATERIALS	Aluminium and ABS
ANTENNA COLOUR	Black
TEMP. RANGE	-35° C → +75° C
CONNECTOR	FME-female
CABLE	5 m RG 174
HEIGHT	15 mm
WIDTH/LENGTH	ø50 mm
WEIGHT	Approx. 130 g

FME-SYSTEM ACCESSORIES

FME-CABLES	
LENGTH	TYPE NO.
1 m	1 m FME
2 m	2 m FME
3 m	3 m FME
4 m	4 m FME
5 m	5 m FME
6 m	6 m FME
4 m white	4 m FME-white
6 m white	6 m FME-white
12 m white	12 m FME-white
18 m white	18 m FME-white

FME-CONNECTORS	
CONNECTOR	ORDER NO.
FME-FME	FME-FME
Prolongation	FMEP
N	FME-N
FSMA	FME-FSMA
BNC	FME-BNC
TNC	FME-TNC
UHF	FME-UHF
Mini-UHF	FME-MUHF
Elbow-MUHF	FME-EMUHF
Elbow-BNC	FME-EBNC
Elbow-TNC	FME-ETNC
SMA	FME-SMA

For further information about other types of FME-cables please compare the cable data sheets under accessories in our catalogue.



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