

GPS 100 KT-FME

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

PROCOM



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.

FME-SYSTEM ACCESSORIES

FME-CABLES

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

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

FME-SYSTEM ACCESSORIES

FME-CONNECTORS

CONNECTOR	ORDER NO.
FME-FME	FME-FME
Prolongation	FME-P
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



SPECIFICATIONS:

ELECTRICAL General specifications

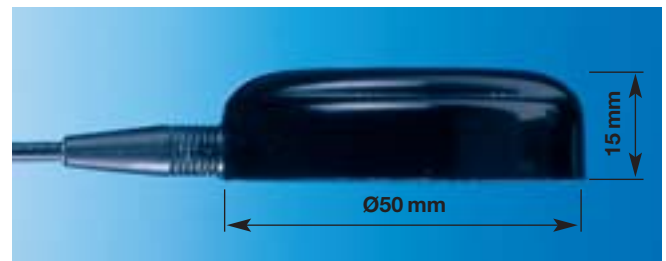
MODEL	GPS 100 KT-FME
ANTENNA TYPE	Active patch antenna
FREQUENCY	1575 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Circular right-hand
COVERAGE	Hemispherical
GAIN (in axial direction)	27 dBi (typ.)
CROSS-POLARIZATION ATT.	> 10 dB (typ.)

Built-in amplifier

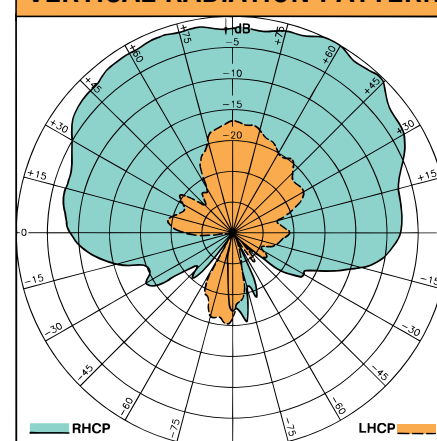
GAIN	> 26 dB (typ.)
NOISE FIGURE	≤ 3 dB
SELECTIVITY	> 45 dB down at ± 45 MHz
SWR (output)	≤ 2.0
SUPPLY VOLTAGE	5 ± 0.5 VDC
CURRENT CONSUMPTION	Approx. 25 mA

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



VERTICAL RADIATION PATTERN



Do not use sealer on rubber gasket or other places.

PROCOM A/S reserve the right to amend specifications without prior notice.