

MH 1-MG/GPS/160-174

GPS Antenna with a $\frac{1}{4} \lambda$ Mobile Antenna for the 160-174 MHz Band (VHF)

DESCRIPTION

- Heavy-duty magnetic mount with toggle joint.
- Provided with two 5m cables attached:
 - 5m RG58 cable with UHF-male connector for VHF.
 - 5m RG174 cable with SMA-male connector for GPS.
- External antenna whip mounted on the magnetic base (MG) which includes antenna for Global Positioning System (GPS).
- The whip is fixed on the mount using a "hat"-screw which is supplied with the mount together with a special fastening key.
- Built-in high-gain, low-noise amplifier.
- 5 V supply voltage (3 V available on request).
- DC supply via SMA-connector.



ORDERING DESIGNATIONS

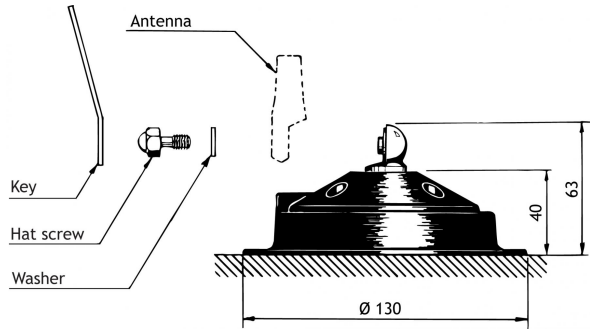
TYPE	PRODUCT NO.
MH 1-MG/GPS/160-174	132000152

SPECIFICATIONS

ELECTRICAL VHF	
MODEL	MH 1-MG/GPS/160-174
ANTENNA TYPE	$\frac{1}{4} \lambda$ mobile whip antenna
FREQUENCY	160 – 174 MHz
BANDWIDTH	≥ 14 MHz @ SWR ≤ 1.6
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	0 dB (acc. to EIA RS-329-1)
SWR	≤ 1.5 @ f. res.
MAX. POWER	25 W
ELECTRICAL GPS	
ANTENNA TYPE	Active patch antenna
FREQUENCY	1575 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Circular right-hand
COVERAGE	Hemispherical
GAIN (in axial direction)	28 dBc in axial direction (typ.)
CROSS POLARIZATION ATT	> 10 dB (typ.)
SELECTIVITY	> 45 dB down @ ± 45 MHz
BUILT-IN AMPLIFIER	
GAIN	> 30 dB (typ.)
NOISE FIGURE	< 1 dB (typ.)
P _{1 dB}	Approx. +7 dBm
SWR (output)	≤ 2.0
SUPPLY VOLTAGE	5 \pm 0.5 VDC (3 V resp. 12 V on request)
SELECTIVITY	> 20 dB down @ ± 100 MHz
CURRENT CONSUMPTION	Approx. 25 mA
MECHANICAL (WHIP)	
COLOUR	Black
MATERIALS	Black-chromed stainless steel
HEIGHT	Approx. 39 cm
WEIGHT	Approx. 39 g
MOUNTING	On the MG
MODEL	
MODEL	MG
APPLICATION	Magnetic mount for toggle-joint type mobile antenna whips. With "hat"-screw and key
MATERIALS	Stainless steel Black-chromed brass Weather- and shockproof plastics
TEMP. RANGE	-35° C \rightarrow +75° C
COLOUR	Black
WEIGHT	Approx. 0.9 kg
CONNECTORS	UHF (male with 5m RG58 cable for VHF) SMA (male with 5m RG174 cable for GPS)
DIMENSIONS	Total height: Approx. 64 mm Diameter: 130 mm
MOUNTING	Centre of vehicle roof for best omnidirectional coverage
MAX. CAR SPEED	170 km/h

INSTALLATION

The magnetic mount should be mounted in the middle of the vehicle roof or rear locker to obtain best omnidirectional coverage.



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

10/07/12