

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

BESCHREIBUNG

- Heavy-duty magnetic mount with toggle joint.
- External antenna whip mounted on the magnetic base (MG) which includes antenna for Global Positioning System (GPS).
- Provided with two 5m cables attached:
 - 5 m RG 58 cable with FME(f) connector for VHF.
 - 5 m RG 174 cable with SMA(m) connector for GPS.
- The whip is fixed on the mount using a "hat"-screw which is supplied with the mount and a special fastening key.
- Built-in high-gain, low-noise amplifier.
- 3 - 15 VDC supply.
- DC supply via SMA(m)-connector.



SPEZIFIKATIONEN

Elektrisch DE	
Modell	MH 1-MG/GPS/160-174
Frequenz	160 - 174 MHz
Antennentyp	$\frac{1}{4} \lambda$ mobile whip antenna
Max. Eingangsleistung	25 W
Polarisation	Vertikal
Impedanz	50 Ω
VSWR	< 1.5:1 @ f.res
Bandbreite	≥ 14 MHz @ VSWR ≤ 1.6
Gewinn (EIA RS-329-1)	0 dB

Mechanisch DE	
Beachtung	ECE R118.02 zugelassenes Kabel.
Anschlussstyp	FME(f) with 5 m RG 58 cable for VHF (other connectors like BNC(m) or TNC(m) can be made upon request) SMA(m) with 5 m RG 174 cable for GPS
Materialien	Whip: Black-chromed stainless steel Mount: Stainless steel Black-chromed brass Weather- and shockproof plastics
Farbe	Schwarz
Abmessungen	Whip: Approx. 390 mm Mount: Total height: Approx. 63 mm Diameter: 130 m
Peitschenanschluss	Toggle joint (Hat screw with key)
Gewicht	Whip: ca. 0.04 kg Mount: ca. 0.9 kg
Montage	Whip: On the MG Mount: Centre of vehicle roof for best omnidirectional coverage
Max. Auto-Geschwindigkeit	170 km/h

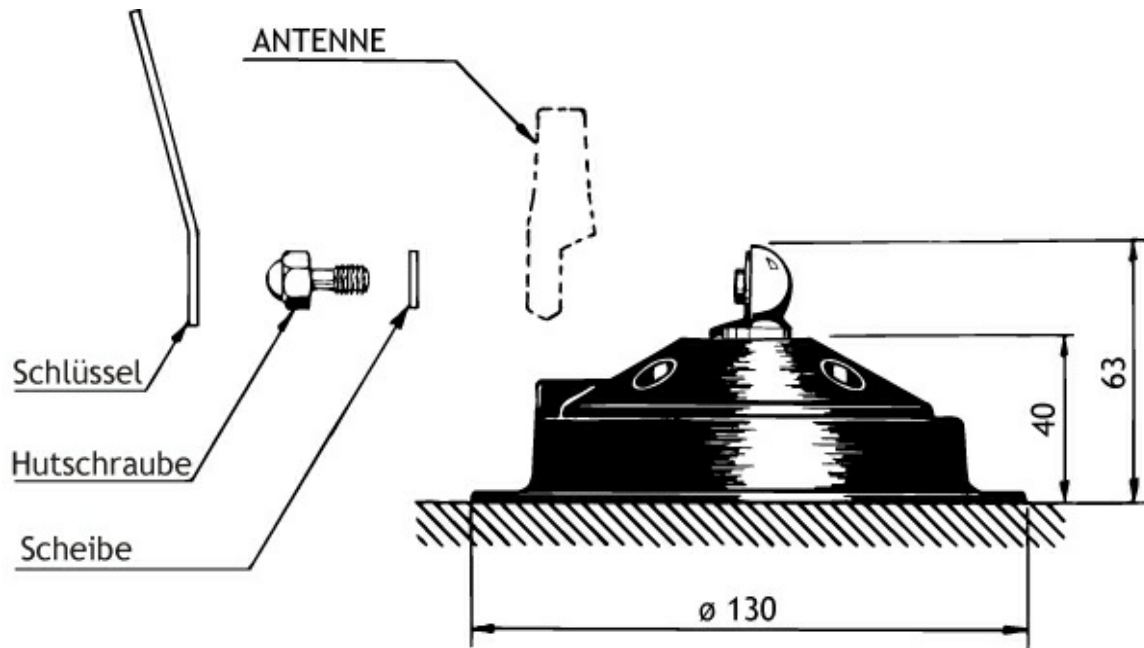
GPS-Antenne	
P1dB (GPS-Verstärker)	ca. +7 dBm
Abdeckung (GPS)	Halbkugelförmig
Antennentyp (GPS)	Aktive Patchantenne
Lärmfigur (GPS-Verstärker)	< 1 dB (typ.)
Kreuz Polar Diskriminierung (GPS)	> 10 dB (typ.)
Gewinn (GPS-Verstärker)	> 30 dB (typ.)
Gain (GPS-Antennen)	28 dBic in axial direction (typ.)
Selektivität (GPS-Verstärker)	> 20 dB down @ ± 100 MHz
VSWR (GPS-Verstärker)	< 2.0:1
Selektivität (GPS)	> 45 dB down @ ± 45 MHz
Frequenz (GPS)	1575 MHz
Stromversorgung (GPS)	3 - 15 V DC, ca. 20 mA
Stromaufnahme (GPS-Verstärker)	ca. 20 mA
Polarisierung (GPS)	RHCP
Impedanz (GPS)	50 Ω

Umwelt	
Betriebstemperaturbereich	-35 °C to +75 °C

BESTELLUNG

Modell	Produkt Nr
MH 1-MG/GPS/160-174	132000152
Zubehör	
MG/GPS-Mount	132000158

MONTAGE



Der Magnetfuß sollte in der Mitte des Fahrzeugdaches oder auf dem Kofferraumdeckel montiert werden, um die bestmögliche Rundstrahlung zu erzielen.

