

GPS Antenna with a $\frac{1}{4} \lambda$ Whip with Shock Spring for the DAB and FM Bands

DESCRIPTION

- External antenna whip mounted on the GPS-Combi mount.
- GPS-antenna for fixed installations
- Black-chromed, conical stainless steel whip.
- Sturdy, general-purpose $\frac{1}{4} \lambda$ antenna in professional quality.
- Easily removable whip for car wash.
- Full hemispherical coverage.
- Built-in high gain, low noise amplifier.
- Right-Hand Circularly Polarized antenna (RHCP).
- 5 V supply voltage (3 V respectively 12 V available on request).
- DC supply via RF-connector.

ORDERING

Type	Product No.
GPS-C R/DAB/FM	132000058



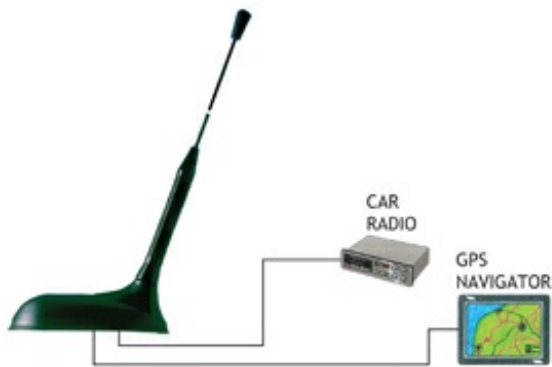
SPECIFICATIONS

Electrical	
Model	GPS-C R/DAB/FM
Frequency	DAB-Band (223 - 240 MHz) also receives FM band (88 - 108 MHz)
Antenna Type	Mobile antenna
Polarisation	Vertical
Pattern Type	Hemispherical
Impedance	50 Ω
Gain (EIA RS-329-1)	0 dB
Cross Polar Attenuation	> 10 dB (typ.)
Selectivity	> 45 dB down @ +/- 45 MHz

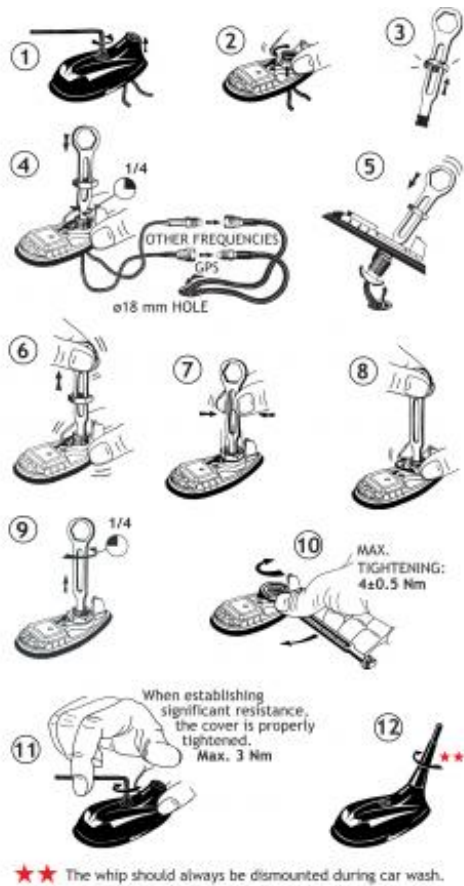
Mechanical	
Connection(s)	FME(m)
Materials	Whip: Black-chromed, conical stainless steel Black-chromed brass Mount: Weather- and shockproof plastics Black-chromed brass
Colour	Black
Height	290 mm / 11.42 in.
Max. Roof Thickness	2.5 mm / 0.10 in.
Weight	0.05 kg / 0.11 lb
Mounting	On the GPS-Combi mount

GPS Antenna	
P1dB (GPS Amplifier)	Approx. +7 dBm
Gain (GPS)	28 dBic in axial direction (typ.)
Antenna Type (GPS)	Active patch antenna
VSWR (GPS Amplifier)	< 2.0:1
Operating Temperature Range (GPS)	-35 to 75 °C
Installation Torque (GPS)	4 \pm 0.5 Nm
Frequency (GPS)	1575 MHz
Power Supply (GPS)	5 \pm 0.5 VDC (3 V resp. 12 V on request)
Current Consumption (GPS Amplifier)	0.025 mA
Dimensions (GPS)	Approx. 30 x 89 mm
Colour (GPS)	Black
Polarisation (GPS)	RHCP
Impedance (GPS)	50 Ω
Materials (GPS)	Cu-nite brass, Stainless steel, Reinforced thermoplastic

ADDITIONAL DATA

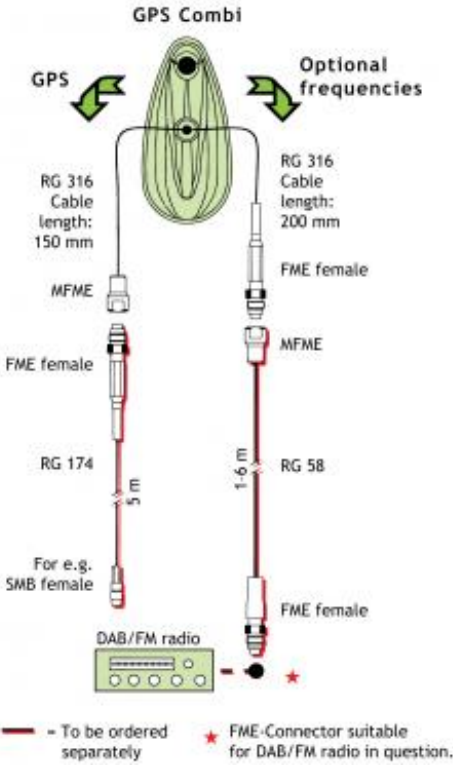


MOUNTING INSTRUCTIONS

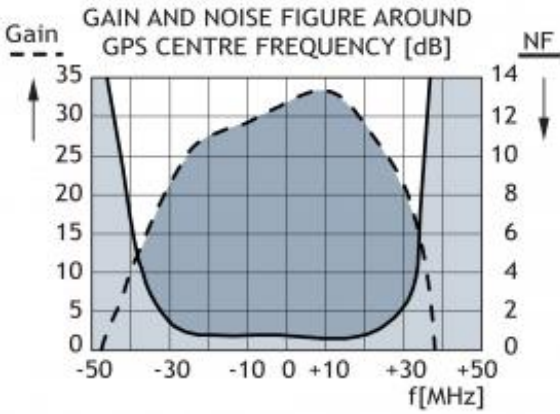
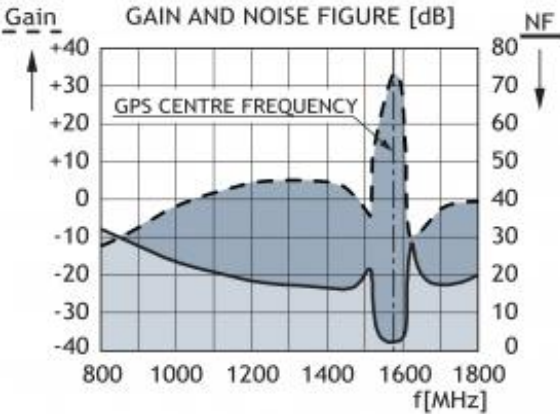


Do not use sealer on rubber gasket or other places.

CABLE MOUNTING



TYPICAL RESPONSE CURVES



VERTICAL RADIATION PATTERN

