

GPS Antenna with 3 dB Whip for the TETRA Band

DESCRIPTION

- External antenna whip mounted on the GPS-Combi mount.
 - Black-chromed, stainless steel whip.
 - 3 dB Gain for the TETRA Band.
 - Easily removable whip for car wash.
- GPS-antenna for fixed installations.
 - Full hemispherical coverage.
 - Built-in high-gain, low-noise amplifier.
 - Right-Hand Circular Polarization (RHCP).
 - 5 V supply voltage (3 V respectively 12 V available on request).
 - DC supply via RF-connector.

ORDERING

Model	Product No.
GPS-C MU 3/TETRA/I	132000130



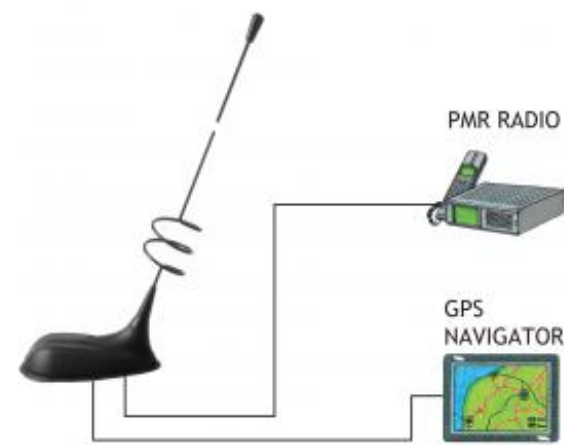
SPECIFICATIONS

Electrical	
Model	GPS-C MU 3/TETRA/I
Frequency	380 - 400 MHz
Antenna Type	5/8λ mobile whip antenna
Max. Input Power	25 W
Polarisation	Vertical
Pattern Type	Hemispherical
Impedance	50 Ω
Gain (EIA RS-329-1)	3 dB
Selectivity	> 45 dB down @ +/- 45 MHz

Mechanical	
Connection(s)	FME (male for GPS) + FME (female for mobile antenna)
Materials	Whip: Black-chromed, conical stainless steel Spring: Black-chromed brass
Colour	Black
Max. Roof Thickness	2.5 mm / 0.10 in.
Height	450 mm / 17.72 in.
Weight	0.06 kg / 0.13 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
Noise Figure (GPS Amplifier)	< 1 dB (typ.)
Cross Polar Discrimination (GPS)	> 10 dB (typ.)
Gain (GPS Amplifier)	> 30 dB (typ.)
VSWR (GPS Amplifier)	< 2.0:1
Operating Temperature Range (GPS)	-35 to 75 °C
Installation Torque (GPS)	4 ± 0.5 Nm
Frequency (GPS)	1575 MHz
Weight (GPS)	0.114 kg / 0.25 lb
Power Supply (GPS)	5 ± 0.5 VDC (3 V resp. 12 V on request)
Current Consumption (GPS Amplifier)	0.025 mA
Dimensions (GPS)	Approx. 30 x 89 mm/ 0.9 x 2.9 in.
Polarisation (GPS)	RHCP
Impedance (GPS)	50 Ω
Materials (GPS)	Cu-nite brass, Stainless steel, Reinforced thermoplastic

ADDITIONAL DATA

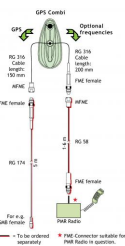


MOUNTING INSTRUCTIONS

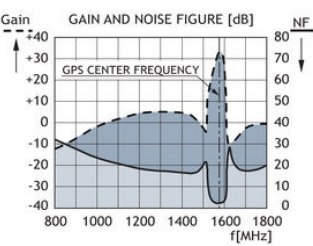


Do not use sealer on rubber gasket or other places.

CABLE MOUNTING



TYPICAL RESPONSE CURVE



VERTICAL RADIATION PATTERN

