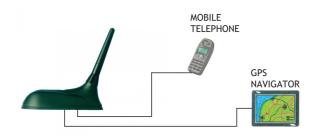
GPS-C 900

GPS Antenna with a $\frac{1}{4}$ λ Mobile Antenna for the 900 MHz Band

DESCRIPTION

- External antenna whip mounted on the GPS-Combi mount.
 - Mobile antenna for the 900 MHz cellular systems.
 - 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 DESIGNATIONS

SPECIFICATIONS FOR WHIP

| ELECTRICAL | |
|--------------|-------------------------------------|
| MODEL | GPS-C 900 |
| ANTENNA TYPE | ¼ λ mobile antenna |
| FREQUENCY | 807 – 960 MHz |
| IMPEDANCE | Nom. 50 Ω |
| POLARIZATION | Vertical |
| GAIN | Approx. 0 dB (acc. to EIA RS-329-1) |
| BANDWIDTH | ≥ 200 MHz @ SWR ≤ 2.0 |
| SWR | ≤ 1.5 @ f. res. |
| MAX. POWER | 25 W |
| MECHANICAL | |
| MATERIALS | Black-chromed brass Black POM |
| COLOUR | Black |
| HEIGHT | Approx. 67 mm |
| WEIGHT | Approx. 16 g |
| MOUNTING | On the GPS-Combi mount |

SPECIFICATIONS FOR GPS-COMBI MOUNT

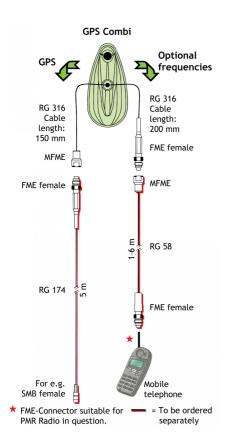
| SI ECITION TONG S-COMBINIONN | | |
|------------------------------------|---|--|
| ELECTRICAL GENERAL | SPECIFICATIONS | |
| MODEL | GPS-COMBI MOUNT | |
| ANTENNA TYPE | Active patch antenna | |
| FREQUENCY | 1575 MHz | |
| IMPEDANCE | Nom. 50 Ω | |
| POLARISATION | Circular right-hand | |
| COVERAGE | Hemispherical | |
| GAIN | 28 dBic in axial direction (typ.) | |
| CROSS- POLARISATION ATT. | > 10 dB (typ.) | |
| SELECTIVITY | > 45 dB down at ± 45 MHz | |
| BUILT-IN AMPLIFIER | | |
| GAIN | > 30 dB (typ.) | |
| NOISE FIGURE | < 1 dB (typ.) | |
| P 1dB | Approx. +7 dBm | |
| SWR (output) | ≤ 2.0 | |
| SUPPLY VOLTAGE | 5 ± 0.5 VDC (3 V resp. 12 V on request) | |
| CURRENT CONSUMPTION | Approx. 25 mA | |
| MECHANICAL (ONLY FOR THE GPS-PART) | | |
| MATERIALS | Cu-nite brass Stainless steel Reinforced thermoplastic | |
| ANTENNA COLOUR | Black | |
| TEMP. RANGE | -35° C →+75° C | |
| CONNECTOR | FME (male for GPS) + FME (female for mobile antenna) | |
| RECOMMENDED INSTALL. TORQUE | 4 ± 0.5 Nm | |
| DIMENSIONS(H x L) | Approx. 30 x 89 mm | |
| ROOF THICKNESS | Max. 2.5 mm | |
| WEIGHT | Approx. 114 g | |
| MOUNTING | ø18.0 mm dia. hole for roof thickness up to 2.0 mm ø18.5 mm dia. hole for roof thickness 2.0 - 2.5 mm Tools for mounting included | |



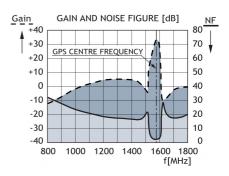
MOUNTING INSTRUCTIONS

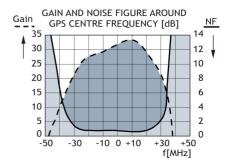
TIGHTENING: 4.0.5 Nm When establishing significant resistance, the cover is properly tightened. Max. 3 Nm (1) (2) (3) (3) (4) (5) (6) (7) (8) (7) (8) (10) (12) (11) (11) (12) (12) (13) (14) (14) (15) (16) (17) (18) (19) (19) (19) (10) (11) (11) (12) (13) (14) (14) (15) (15) (16) (17) (17) (18) (19) (19) (19) (19) (10) (10) (11) (11) (12) (13) (14) (15) (15) (16) (17) (17) (18) (19)

★★ The whip should always be dismounted during car wash.

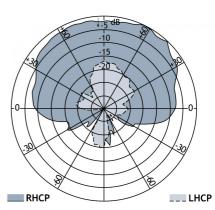


TYPICAL RESPONSE CURVES





VERTICAL RADIATION PATTERN







PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis. 23/08/13

