

# GPS-775

## Three in One Multiband Antenna (UHF, AM/FM, GNSS) with Unity Gain Whip

Roof mounted three in one combination antenna base with UHF, Active GNSS and Active AM/FM Antennas.

- High Gain UHF Whip
- Multiple bands in one installation
  - Tetra
  - AM and FM
  - GPS and Galileo
- High quality compact construction

### ELECTRICAL SPECIFICATIONS

Frequency	0.15 - 3.5 MHz, 88 - 108 MHz, 380 - 400 MHz (GPS-775/T), 410-430 MHz (GPS-775/F), 1575.42 MHz (AM/FM, UHF, GNSS)
Bandwidth	See "FREQUENCY"
VSWR	≤ 2.0:1 (UHF)
Impedance	50 Ohm (UHF, GNSS) 75 - 150 Ohm (AM/FM)
Polarisation	Linear (UHF, AM/FM), RHC (Right Hand Circular)(GNSS)
Gain	3 dBd, 5.15 dBi (UHF)
Satellite System	GPS and Galileo
LNA Gain	25 dBi (GNSS) 7 - 14 dB (AM/FM)
Noise Figure	Max. 2.1 dB (GNSS) Max. 4.5 dB (AM/FM)
Supply Voltage	2.7 - 5 VDC (GNSS) 10 - 16 VDC (AM/FM)
Current Consumption, Average	12 mA @ 2.7 VDC (GNSS) 26 mA @ 5.0 VDC (GNSS) 27-40 mA (AM/FM)
Max Input Power	15 W (UHF)



Datasheet

MECHANICAL SPECIFICATIONS

Color	Black
Dimensions	95 x 52 x 65 mm
Weight	230 g
Mounting Place	Vehicle roof (Metalic surface)
Mounting Hole	15 x 15 mm or Ø 19 mm
Build-in Depth	TBD
Materials	PA, High Elastomeric PL, SS, Brass, PCB (TBC)
Operating Temperature	-30 to +80°C
Connector	None, open-ended (UHF, GNSS) TBD (AM/FM)
Cable	RG174 (UHF, GNSS) 2x250 mm TBD (AM/FM) 1x250 mm
Ingress Protection	IP65 (When mounted) (TBC)
Serial No.	On product label

ORDERING INFORMATION

GPS-775	In Box
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