

GPS Antenna L1 (Low Profile, active GPS, outdoor mount, waterproof)

Description

The GPS L1 antennas are ideally suited for exterior installations on roofs or mounting poles as well as mounting brackets.

Available in 2 models: Low Gain (-L) & High Gain (-H)

These antennas contain large selective patch antennas and an RF band pass filter that attenuates cellular and radar frequency ranges in order to minimize interferences and blocking effects.

The GPS antennas are available in a variety of colours.

Excellent performance as part of an GPS-over-Fiber solution.



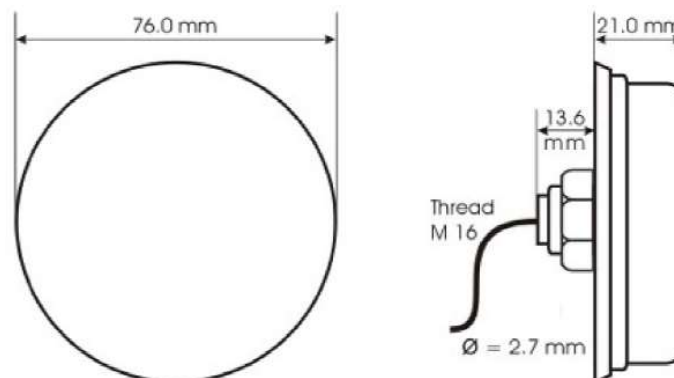
Order Information

| Item Description | Item Number |
|--------------------|-------------|
| GPS Antenna L1 – L | 85073713 |
| GPS Antenna L1 - H | 85073712 |

Specification

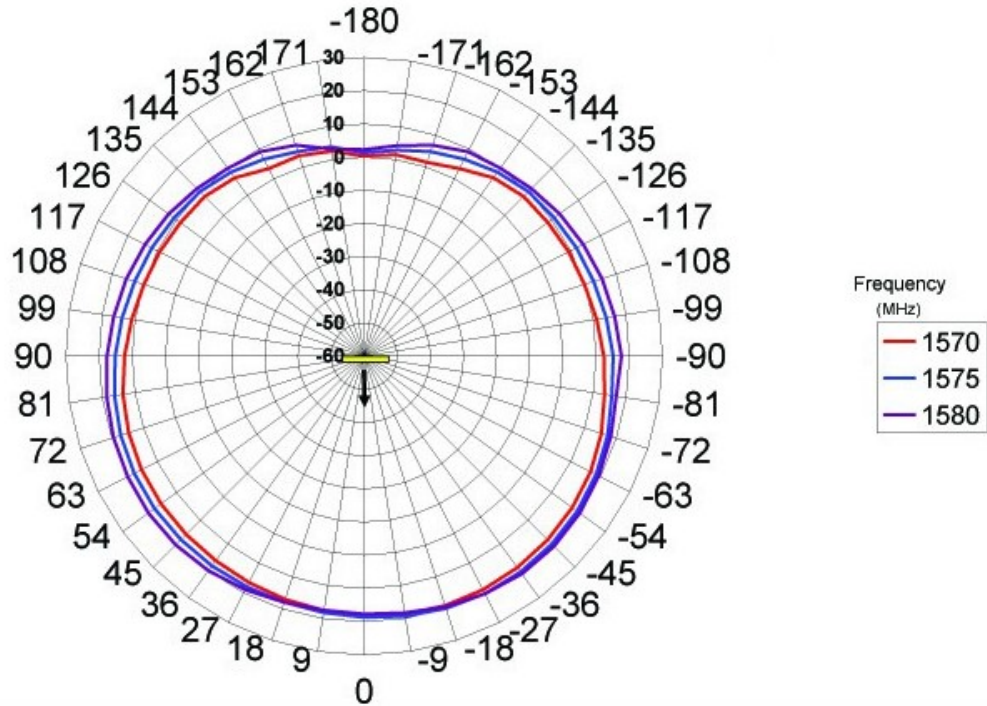
| Parameters | | Value | | | Remarks |
|---|-----|-------|---------|------|------------------------------------|
| | | Min. | Typ. | Max. | |
| All specifications at 25°C case Temperature T _c , unless otherwise specified | | | | | |
| Centre frequency | MHz | | 1575.42 | | 1565 – 1613 MHz |
| Return Loss | dB | | 1.5 | | 0.6m cable on 30x30cm ground plane |
| Low Gain Model (-L) | | | | | |
| Peak gain | dBi | | 20 | | 0.6m cable on 30x30cm ground plane |
| Power Supply | VDC | | 3-5 | | 12 mA |
| High Gain Model (-H) | | | | | |
| Peak gain | dBi | | 25 | | 0.6m cable on 30x30cm ground plane |
| Power Supply | VDC | | 3-5 | | 25 mA |
| Mechanical Data | | | | | |
| Dimensions | mm | | 76x21 | | |
| Cable length | m | | 1 | | RG174 |
| Connector | | | SMA | | |
| Temperature Range | °C | -40 | | +85 | |
| Waterproof | IP | | 69 | | When installed with mounting stud. |
| Colour | | | Black | | Other colours possible. |

Dimensions Drawing



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Antenna Radiation Pattern (-L)



Antenna Radiation Pattern (-H)

