

## GPS Antenna L1+L2 (Low Profile, active GPS, outdoor mount, waterproof)

### Description

The GPS L1+L2 antennas cover both bands and are ideally suited for exterior installations on roofs or mounting poles as well as mounting brackets.

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 requiring both L1+L2 bands.**



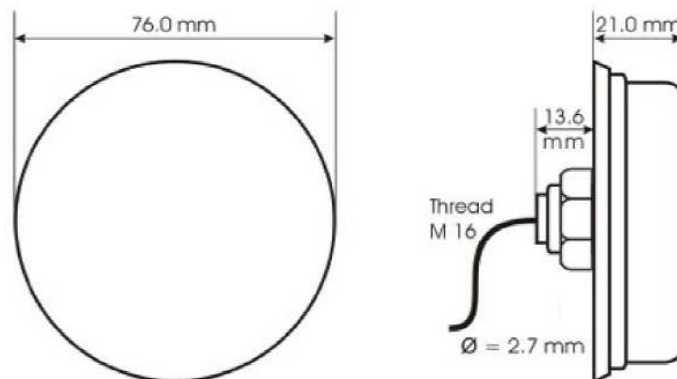
### Order Information

Item Description	Item Number
GPS Antenna L1+L2	85073714

### Specification

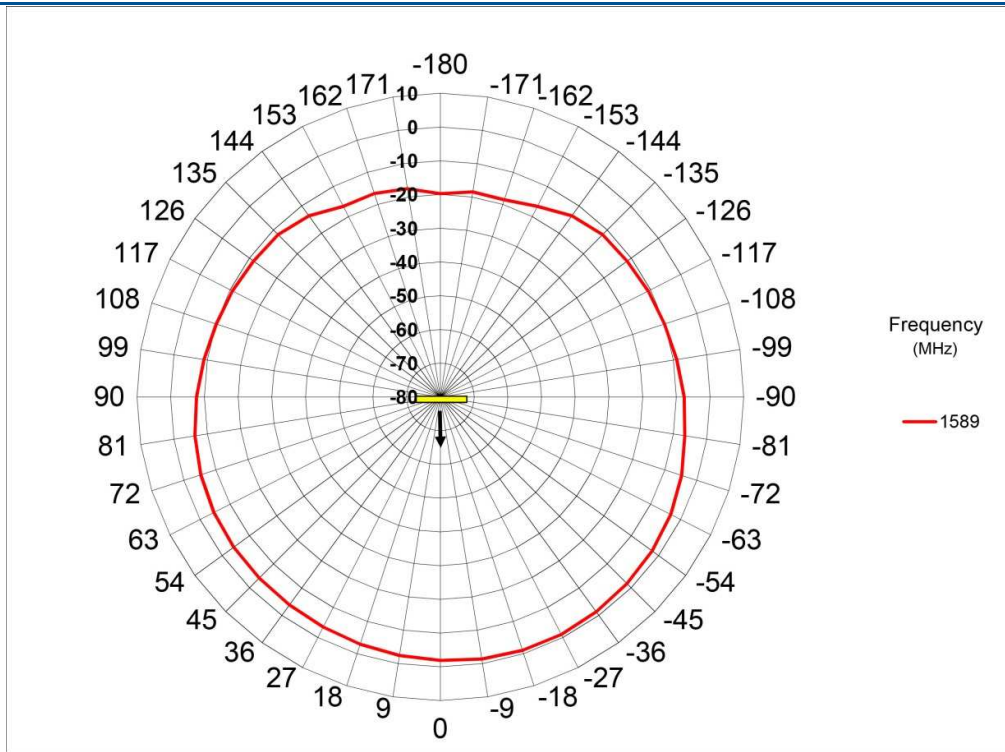
Parameters		Value			Remarks
		Min.	Typ.	Max.	
All specifications at 25°C case Temperature T <sub>c</sub> , unless otherwise specified					
Centre frequency: L1	MHz		1589		1565 to 1613 MHz
Centre frequency: L2	MHz		1235		1218 to 1253 MHz
Return Loss	dB		< -6		0.6m cable on 30x30cm ground plane
<b>Gain</b>					
Peak gain	dBi		20		0.6m cable on 30x30cm ground plane
Power Supply	VDC		3 - 5		12 mA
<b>Mechanical Data</b>					
Dimensions	mm		76x21		
Cable length	m		1		RG174
Connector			SMA (m)		
Temperature Range	°C	-40		+85	
Waterproof	IP		69		When installed with mounting stud.
Colour			Black		Other colours available.

### Dimensions Drawing

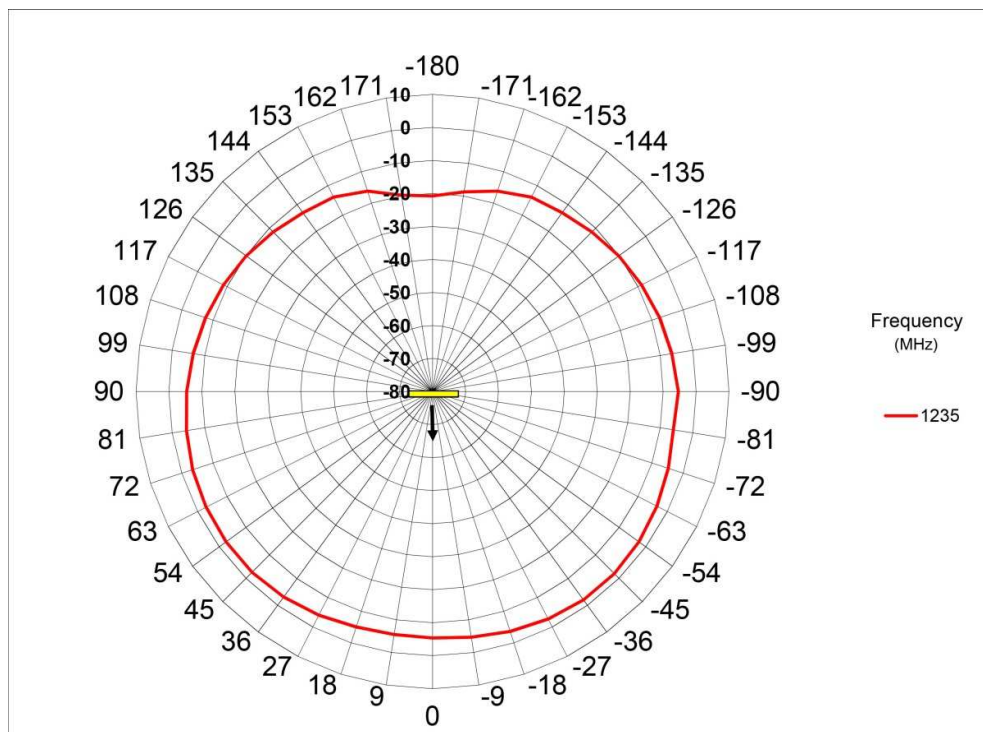


## GPS Antenna L1+L2 (Low Profile, active GPS, outdoor mount, waterproof)

### Antenna Radiation Pattern L1 (elevation)

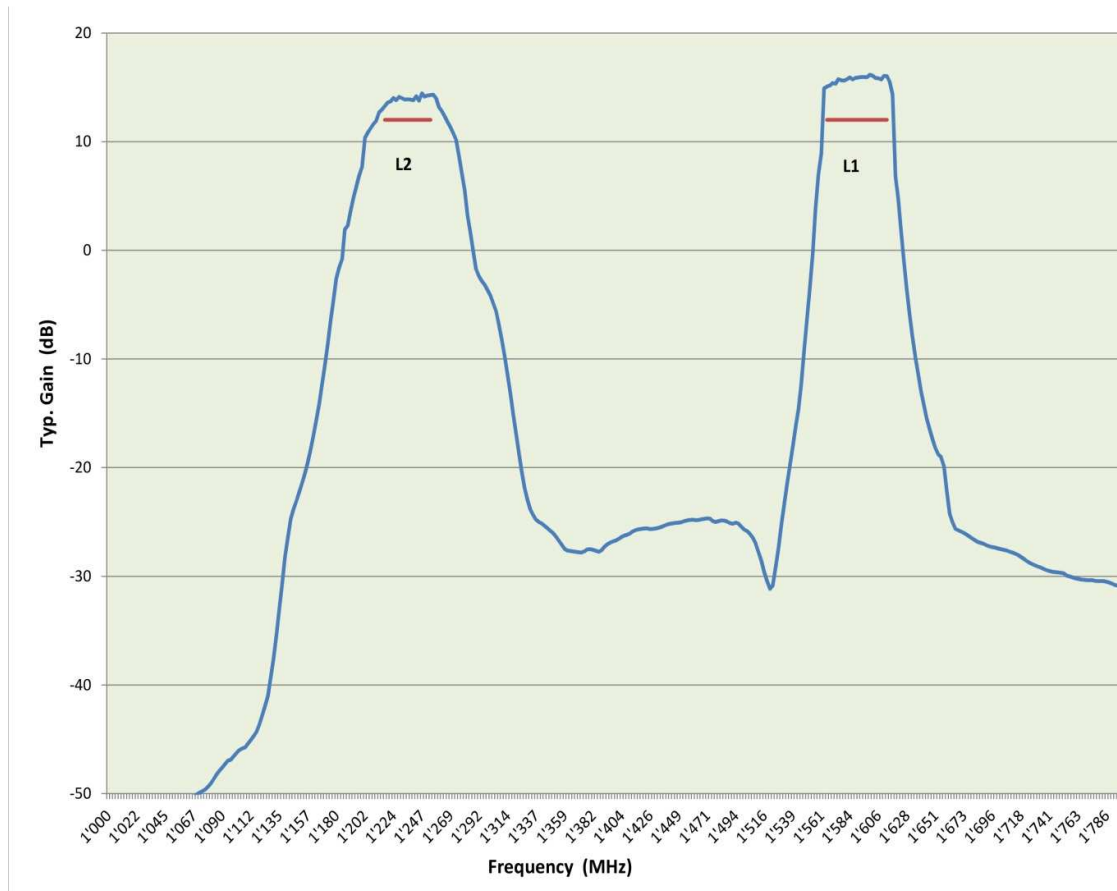


### Antenna Radiation Pattern L2 (elevation)



## GPS Antenna L1+L2 (Low Profile, active GPS, outdoor mount, waterproof)

### Band pass characteristics



### Installation instructions

- no extra ground plane required (ground plane inside).
- mountable on all clean, smooth and rust-free / rust-protected surfaces.
- mounting torque for M16 nut is 4Nm (min), 6Nm (max).
- mounting hole diameter 16mm (+2mm, 0mm).
- If mounted on a stand or support the cable entry must to be waterproofed.