Data Sheet



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.



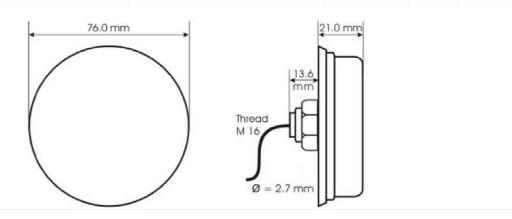
Order Information

Item Description	Item Number
GPS Antenna L1+L2	85073714

Specification

Parameters		Value		Remarks	
		Min.	Typ.	Max.	
All specifications at 25℃ case Temperature	T _c , 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
Gain					
Peak gain	dBi		20		0.6m cable on 30x30cm ground plane
Power Supply	VDC		3 - 5		12 mA
Mechanical Data					
Dimensions	mm		76x21		
Cable length	m		1		RG174
Connector			SMA (m)		
Temperature Range	℃	-40		+85	
Waterproof	IP		69		When installed with mounting stud.
Colour			Black		Other colours available.

Dimensions Drawing

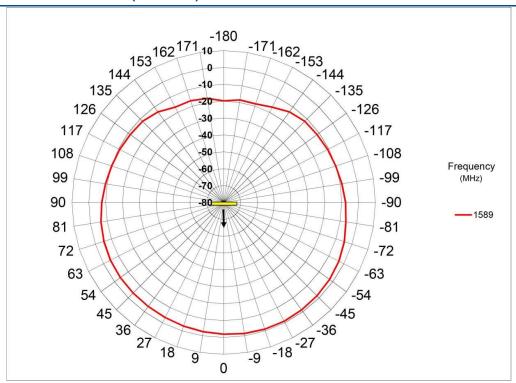


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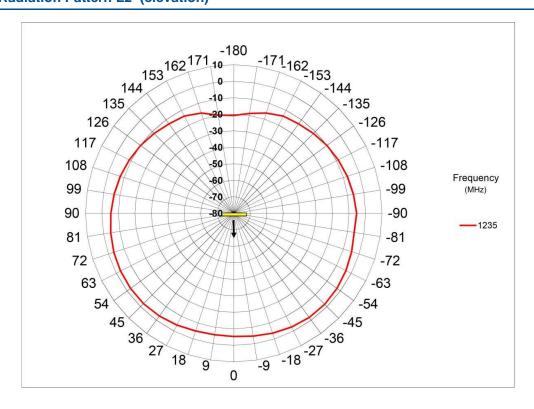


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Antenna Radiation Pattern L1 (elevation)



Antenna Radiation Pattern L2 (elevation)

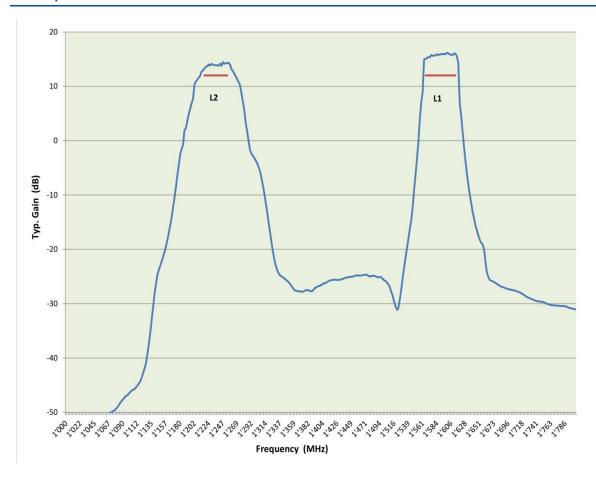


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Band pass characteristics



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.

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 und IRIS

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