

L1GF – GPS / Glonass L1 Filter

Description:

Designed with the thin link margins of satellite navigation systems in mind, the L1GF is a single input GPS / Glonass L1 Band Passive Filter that passes only GPS / Glonass L1 frequency.

The L1GF protects your GNSS system from out-of-band signals and brings an excellent side band rejection with an insertion loss of less than 2.0 dB.

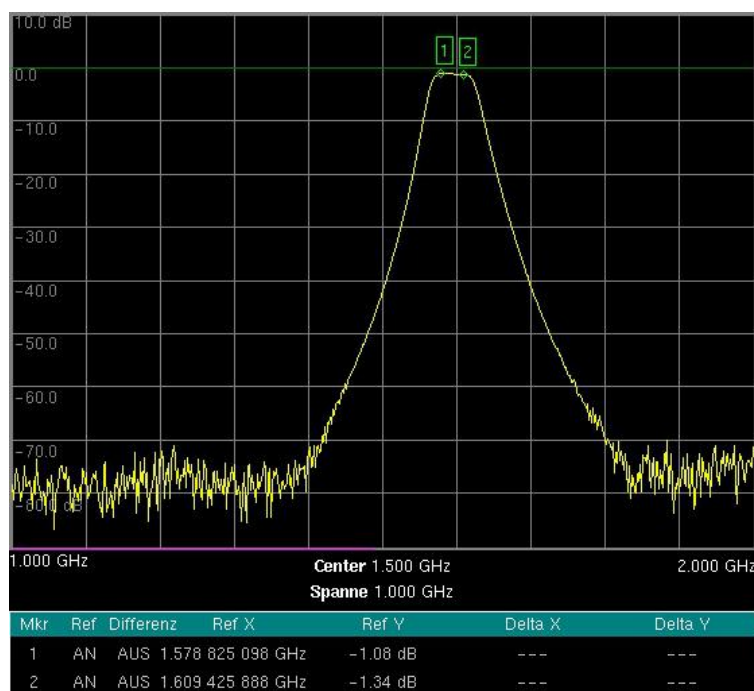
The L1GF Passive Filter is an inline device (DC Pass) for passing a supply voltage through to other devices.

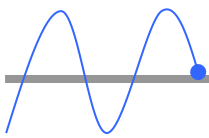


L1GF

Features:

- Responses to GPS / Glonass L1
- Low Insertion Loss, IL < 2 dB
- Excellent Out of Band Rejection
- Solid aluminium housing
- Passes DC for Active Antenna





L1GF – GPS / Glonass L1 Filter

ELECTRICAL SPECIFICATIONS

- > Input/Output Impedance 50 Ω
- > Frequencies
 - L1 GPS 1575 MHz
 - L1 Glonass 1609 MHz
- > Center frequency Filter 1595 MHz
- > Bandwidth 50 MHz
- > Insertion Loss
 - typical 3.5 dB
 - Min / Max 3.0 / 4.0 dB
- > SWR Input / Output 1.2 : 1 @ 1575 MHz
- > Rejection
 - @ + 30 MHz / - 30 MHz -10 dB
 - @ + 60 MHz / - 60 MHz -25 dB
- > Max. Power Input 1 Watt
- > Device Current 0 mA - passive
- > DC Input on Output port 9 V DC max.

PHYSICAL SPECIFICATIONS

- > RF PORTS
 - Input 1
 - Output 1
- > RF connector type TNC-f
- > Operating Temperature -40 bis 85°C
- > Standard Housing
 - Dimensions (L x H x D) 45 x 18 x 45 mm
 - Weight ~ 75 g
 - > Finish white chromate

