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L5FM Passive Filter

Technical Product Data

Features

- **Low Insertion Loss**
IL < 2.2dB
- **Excellent Out of Band Rejection**
- **Passes DC for Active Antennas**



Description

Designed with the thin link margins of satellite navigation systems in mind, the L5F is a single input L5 Band Passive Filter that passes only the L5 GPS frequency. The device features excellent side band rejection with an insertion loss of less than 2.2dB. The product may pass DC or can also be used as a DC block.

The L5F Passive Filter comes with various options to meet your specific needs. Please call, fax, email (sales@gpssource.com), or visit our website (www.gpssource.com) for further information on product options & specifications.

Doc. Description: L5FM Data Sheet	Doc. Number: 1553-TS-GPS-L5-Filter-01	Revision: 001
Author: Brandie Chenoweth	Department: Marketing	Date: Jan 3 2012



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Electrical Specifications, Operating Temperature -40 to 85^oC

Parameter	Conditions	Min	Typ	Max	Units
Freq. Range: 1176.45MHz	IN – OUT, IN/OUT-50Ω	1.141		1.202	GHz
In/Out Imped.	IN, OUT		50		Ω
Insertion Loss 1176.45MHz	IN – OUT, IN/OU-50Ω	1.0	1.5	2.0	dB
Rejection ⁽¹⁾ 1176.45MHz	IN – OUT, IN/OUT-50Ω; + 100MHz - 100MHz + 150MHz - 150MHz	-16 -16 -23 -27			
Input SWR	OUT Port - 50Ω			2.0:1	-
Output SWR	IN Port - 50Ω			2.0:1	-
DC IN	DC Input on OUT port			16	VDC
Ant/Thru Current	DC Input on OUT port			250	mA
Max RF Input	Max RF input without damage			30	dBm

NOTES:

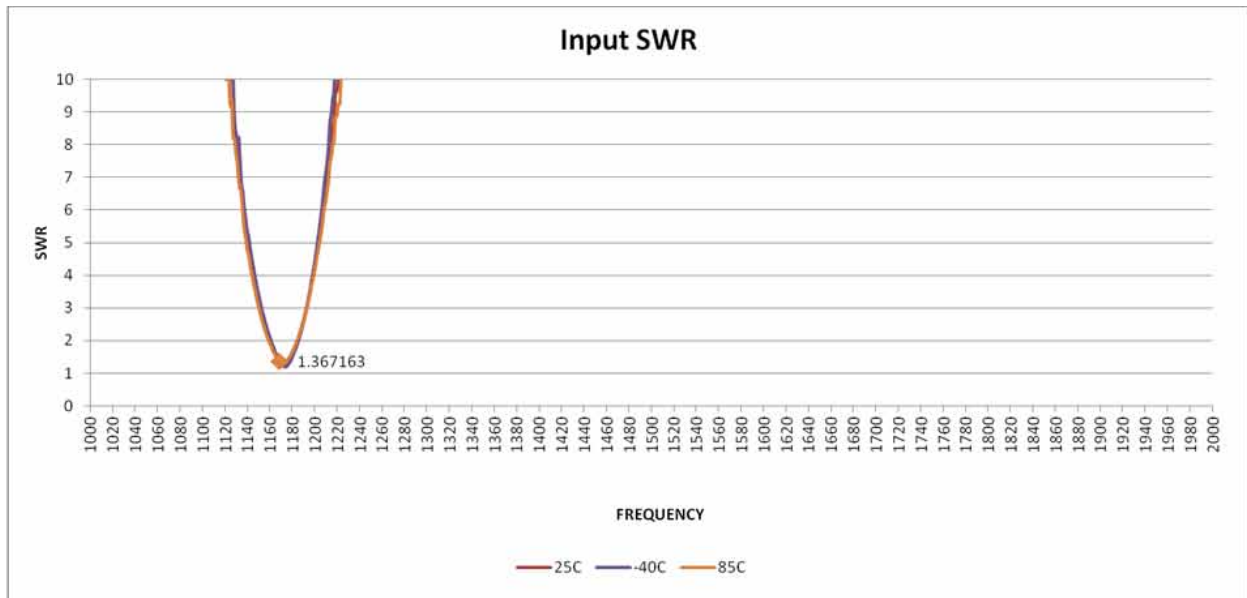
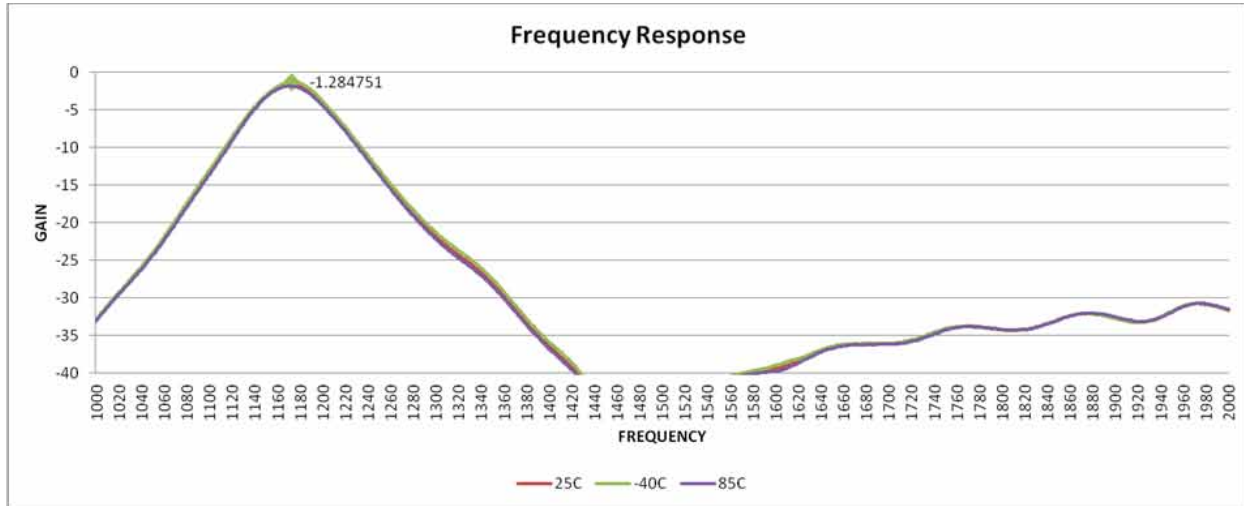
(1). Attenuation Relative to pass band.

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Performance Data:

L5FM Passive Filter

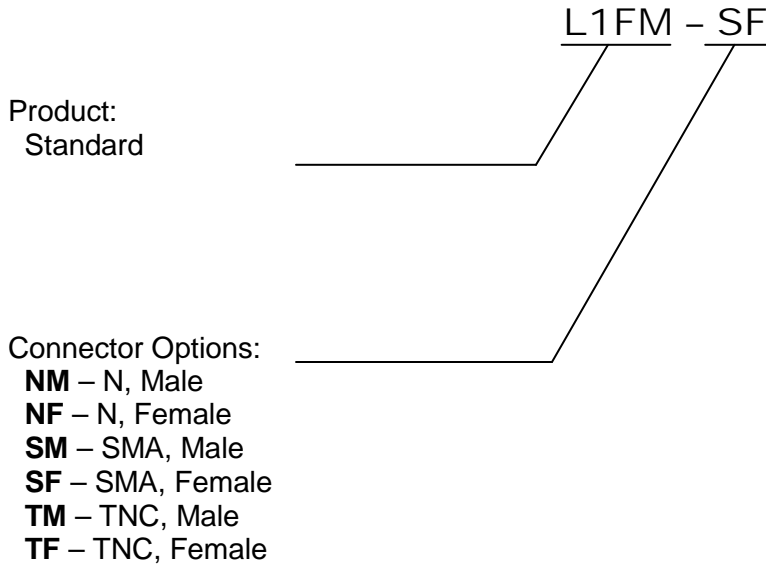


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Part Number:



For help in creating the part number to meet your exact needs, contact us at Sales@gpssource.com or visit our website at www.gpssource.com.

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