

**1227 MHz BANDPASS FILTER****AFL05234 L2 BAND GPS****FEATURES**

- L2 Band GPS
- Fully Shielded Component
- Frequency Stable over Temperature

**DESCRIPTION**

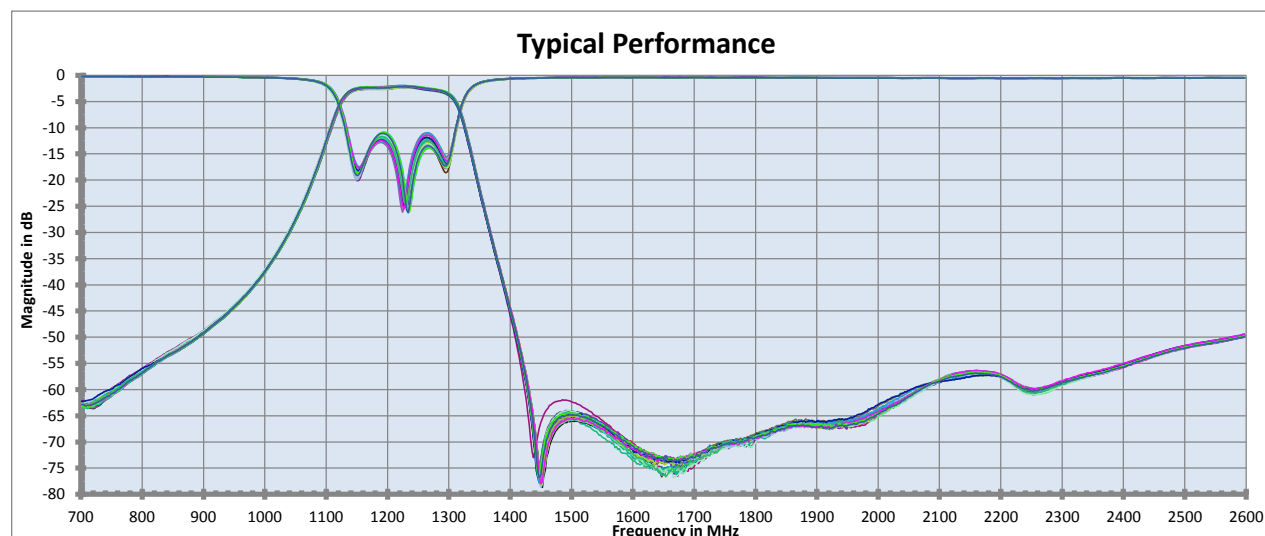
Surface mount, fully shielded, thin film ceramic filter designed for use on PCB 8-12 mils thick with permittivity of 3.0-3.8.

**Electrical Specifications**

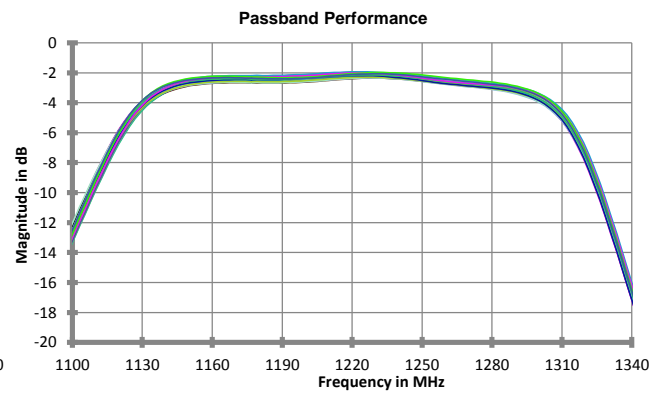
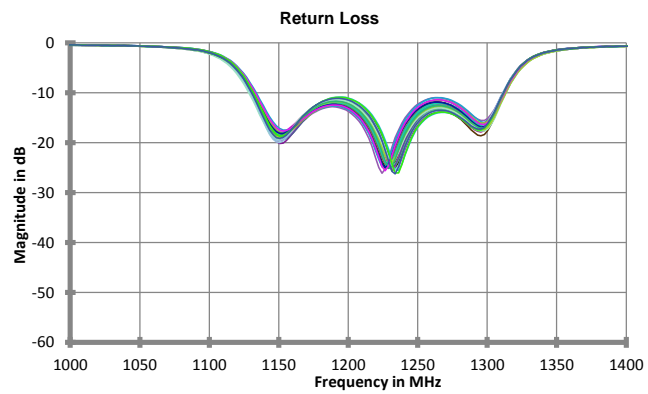
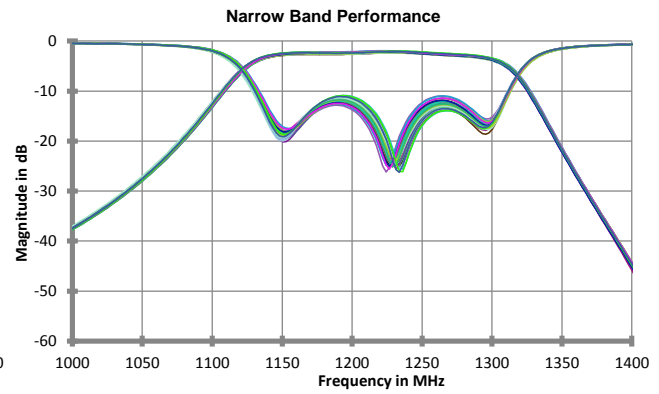
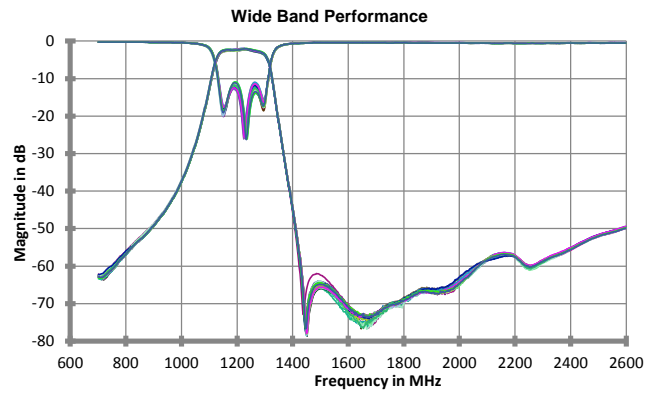
Center Frequency	1227 MHz	
Passband	1220 - 1234 MHz	
Insertion Loss (@ Passband)	3.5 dB	@ 25C
	4.0 dB	-40C to +85C
VSWR	2.0:1	1220 MHz to1234 MHz*
Rejection	30 dB	DC to 925 MHz
	35 dB	1450 MHz to 2500 MHz
Usable Temp Range	-55 to +125 degree C	
*50 Ohm System		

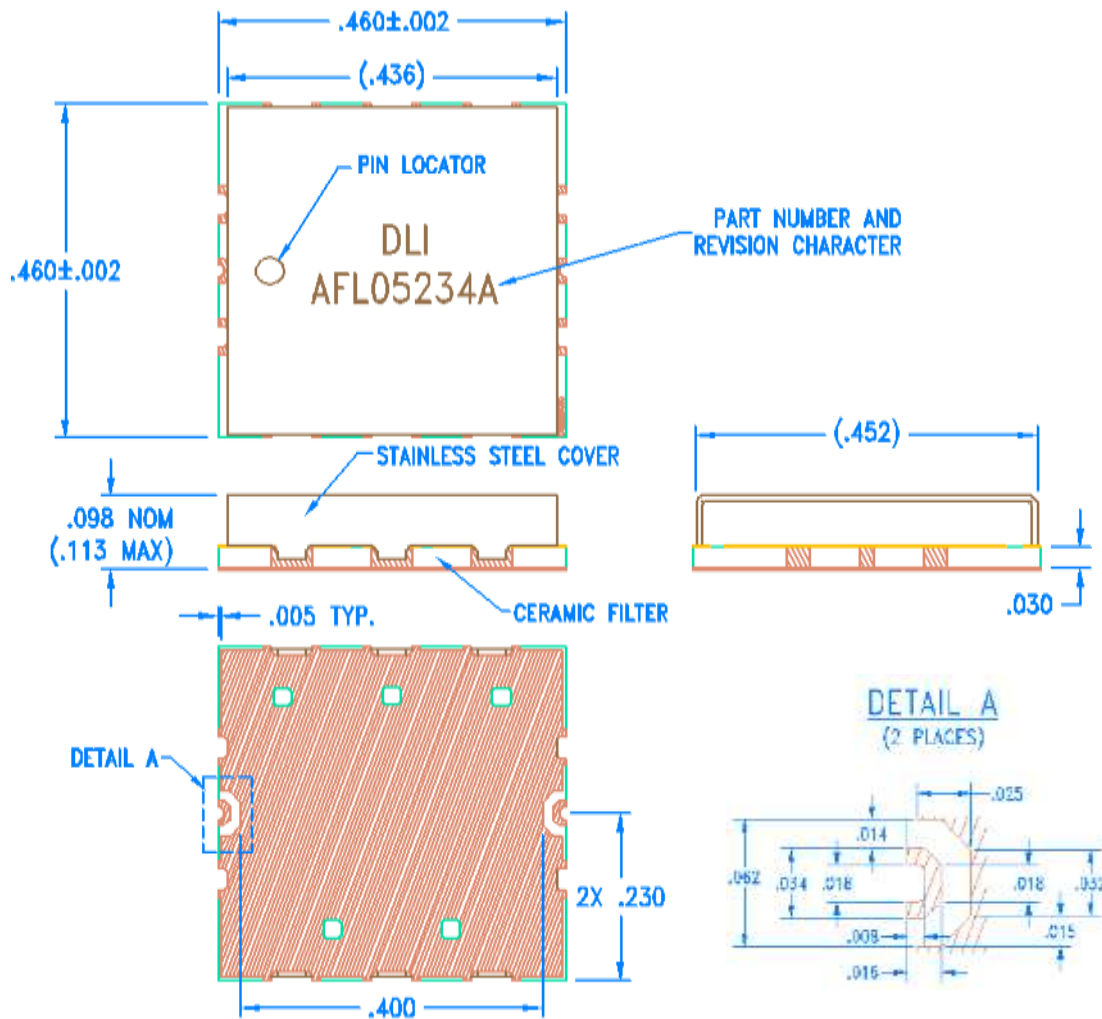
**Mechanical**

Footprint LxW	0.460 x 0.460	inch
	[11.68 x 11.68]	mm
Height	0.113 [2.87]	Inch [mm]



Catalog specifications subject to change without notice



**Mechanical Drawing**

All units in inches

**Mounting Information**

PCB ground pattern length and width can be 0.002-0.003 inches larger than filter footprint.

Dimensions of filter launch and PCB launch pattern should be closely matched.

It is suggested that PCB ground metal be pulled back from RF I/O trace to account for component alignment tolerance. Ground via depth and spacing should be set so as not to create any resonances at the frequency of operation.

Reference SMT Filter Mounting application note for additional mounting information.

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