15.7GHz Surface Mount LPF

L157XG3S

www.dilabs.com

DLI • Novacap • Syfer • Voltronics

www.knowlescapacitors.com

DESCRIPTION

DLI introduces its new high frequency surface mountable catalog low pass filters. These LPF's incorporate DLI's high dielectric ceramic materials which provide small size and minimal performance variation over temperature. The catalog LPF's are offered in a variety of frequency bands, which offers a drop in solution for high frequency attenuation.

FEATURES

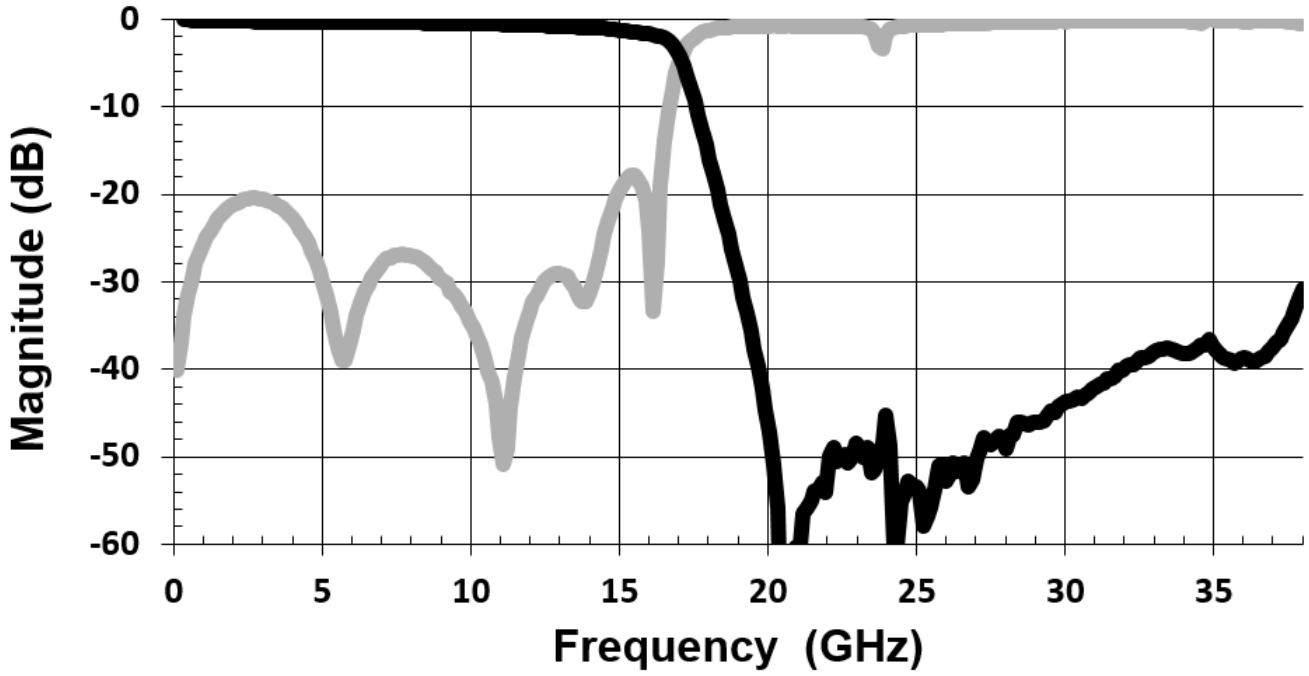
- Small Size
- Fully Shielded Component
- Frequency Stable over Temperature
- Solder Surface Mountable
- Excellent Repeatability
- Operating Temp: -55˚C to +125˚C
- Characteristic Impedance: 50Ω
- 100% Tested & Inspected

SPECIFICATIONS*

Parameter	Frequency (GHz)	Min	Max
Passband Insertion Loss* (dB)	DC - 15		1.5
Min Passband Return Loss (dB)	DC - 15	17	
Stopband Attenuation (dB)	19.9 - 32.2	40	
Size (LxWxH)	0.220 x 0.140 x 0.103 in 5.58 x 3.55 x 2.62 mm		

*Electrical specifications based on typical mounted performance at room temperature. Insertion loss shall vary ±0.5dB over temperature.

Typical Measured Performance



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October 2015

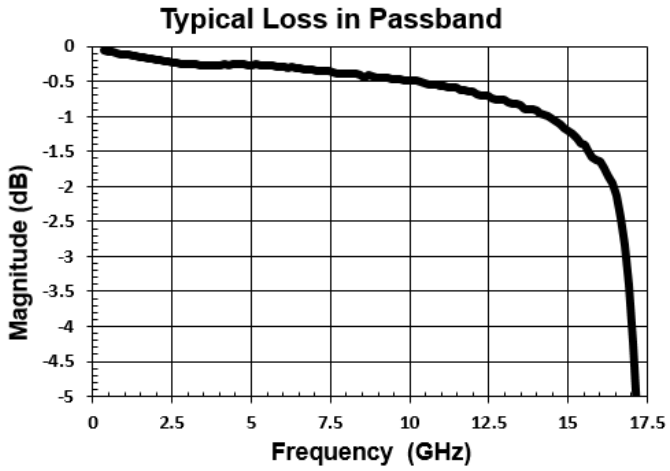
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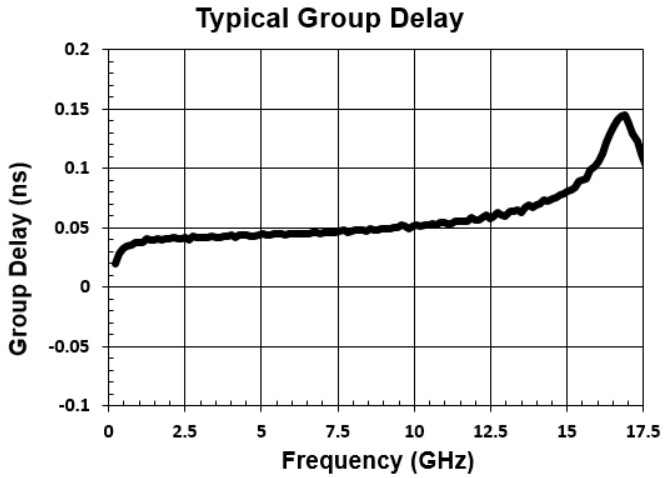
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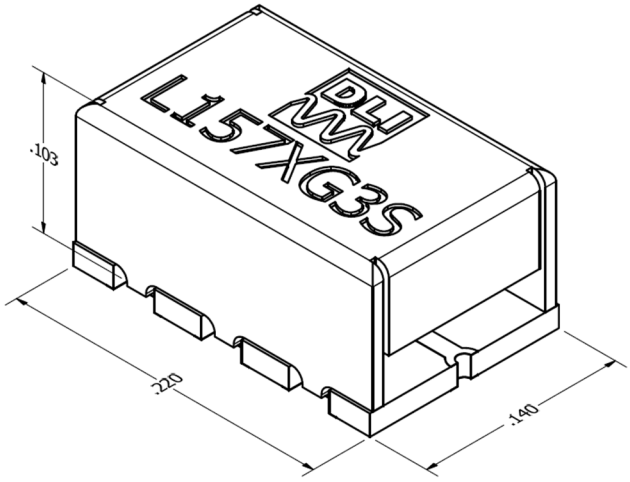
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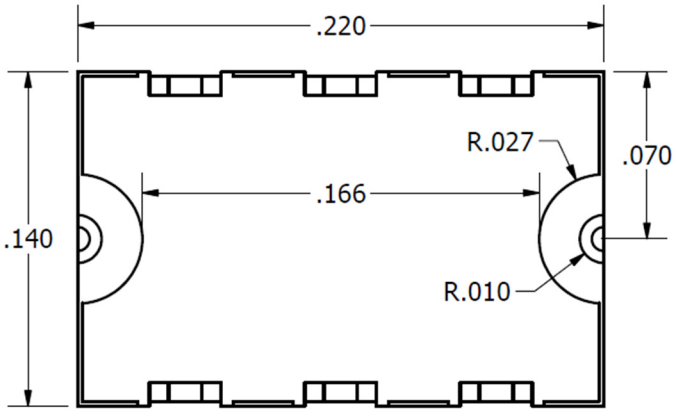




Physical Dimensions

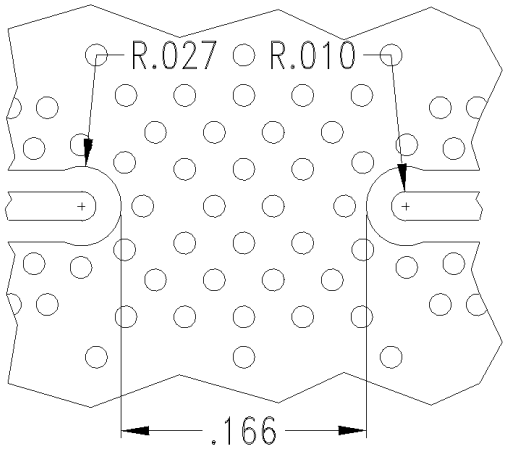


Isometric View



Bottom View

Recommended PCB Layout



- 50Ω trace dimensions are application specific.
- Ensure adequate grounding beneath the filter.

ISO 9001 QMI-SAI Global

AS 9100 QMI-SAI Global

RoHS 2011/65/EU Lead Free

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