

15.7GHz Wire bond Low-Pass Filter

L157XF3W

DESCRIPTION

DLI introduces its new high frequency wire bond 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

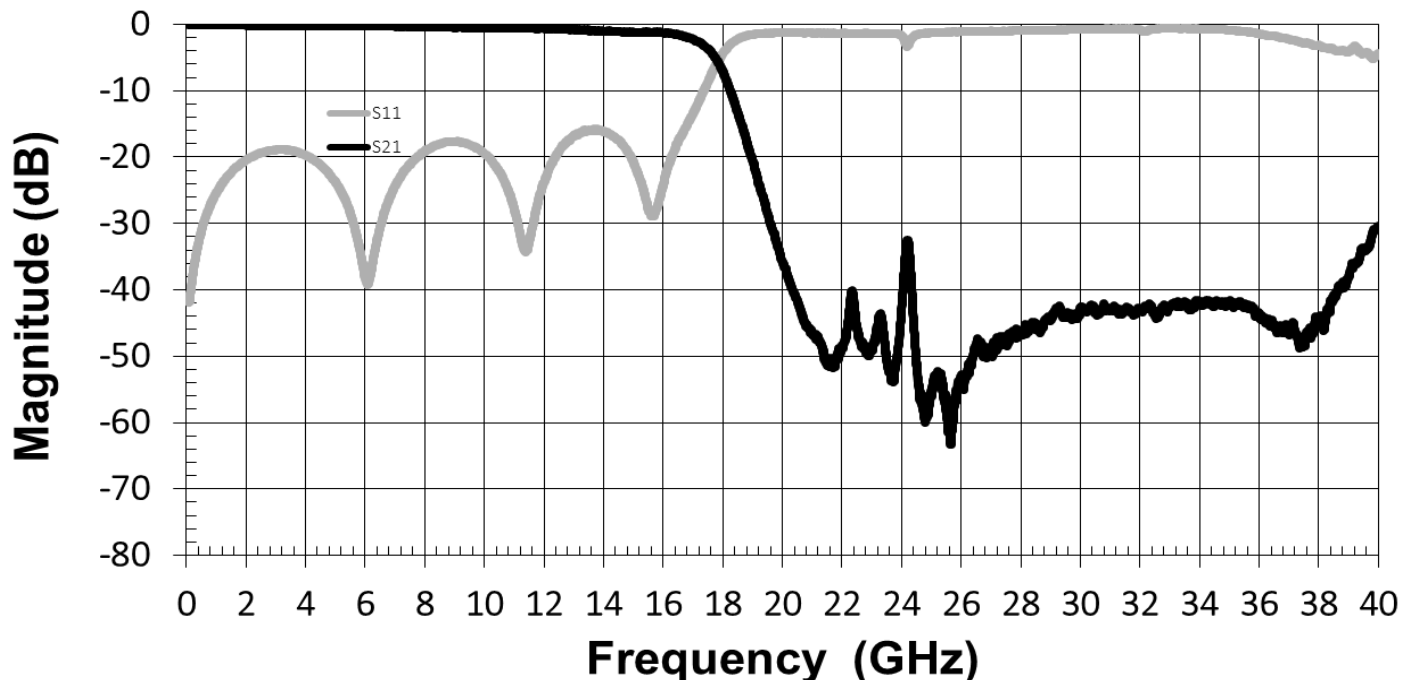
- Small Size
- Fully Shielded Component
- Wirebond
- Moisture Sensitivity Level: MSL1
- Frequency Stable over Temperature
- Operating & Storage Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

SPECIFICATIONS*

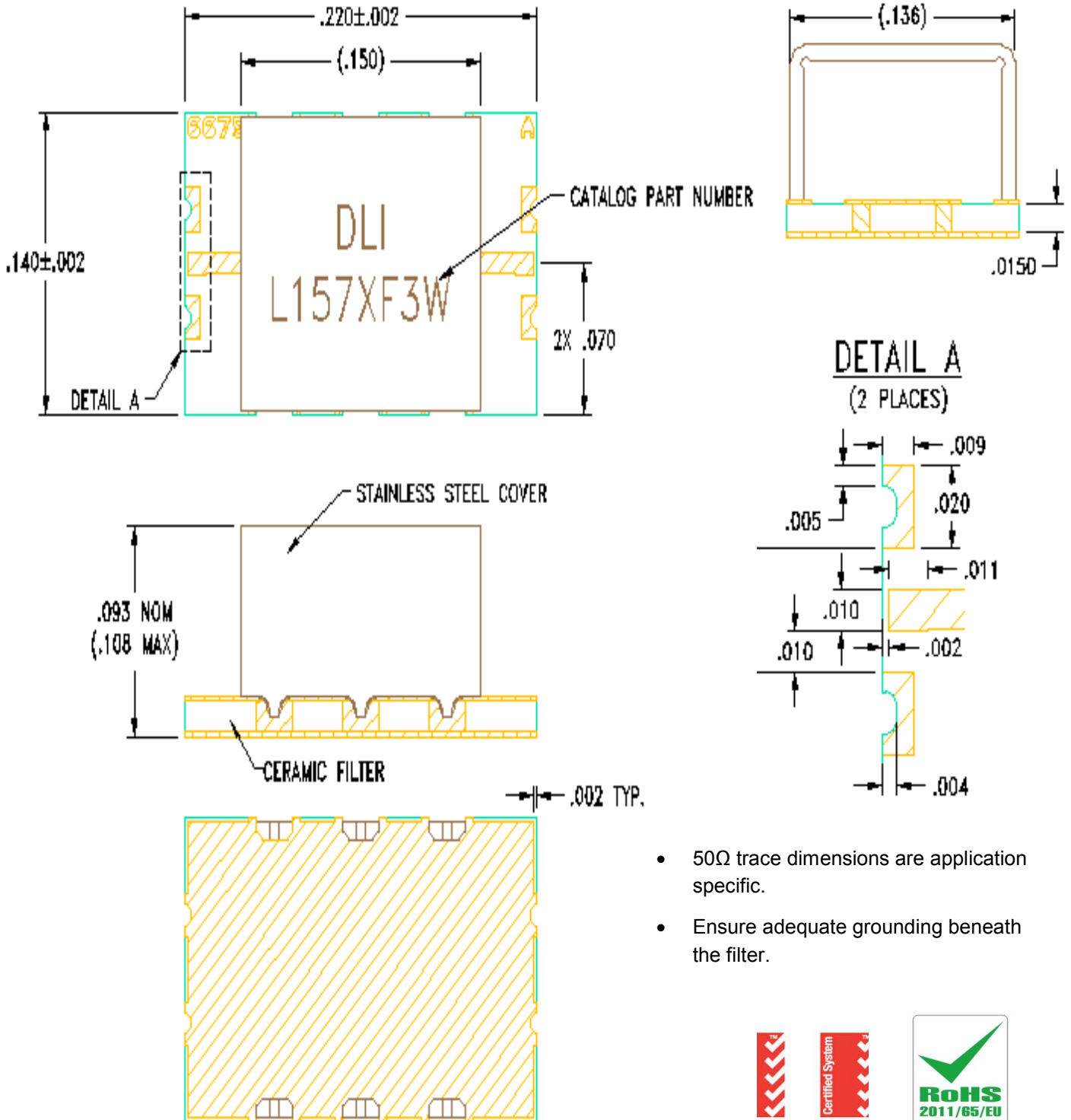
Parameter	Frequency (GHz)	Min	Typ.	Max
Insertion Loss* (dB)	DC - 15		1.5	3.0
Return Loss (dB)		10	15	
High side Rejection (dB)	20.5 - 29.5	30		
Input Power (W)				TBD
Size (LxWxH)	0.220 x 0.140 x 0.108 in 5.59 x 3.56 x 2.74 mm			

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

Typical Measured Performance



Physical Dimensions



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

