

## 28.8 GHz Surface Mount Low pass Filter

**L288XC3S**

### DESCRIPTION

One of DLI's surface mountable catalog low pass filters . This filter utilizes DLI's low loss temperature stable materials which offer 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 with highly repeatable performance.

### FEATURES

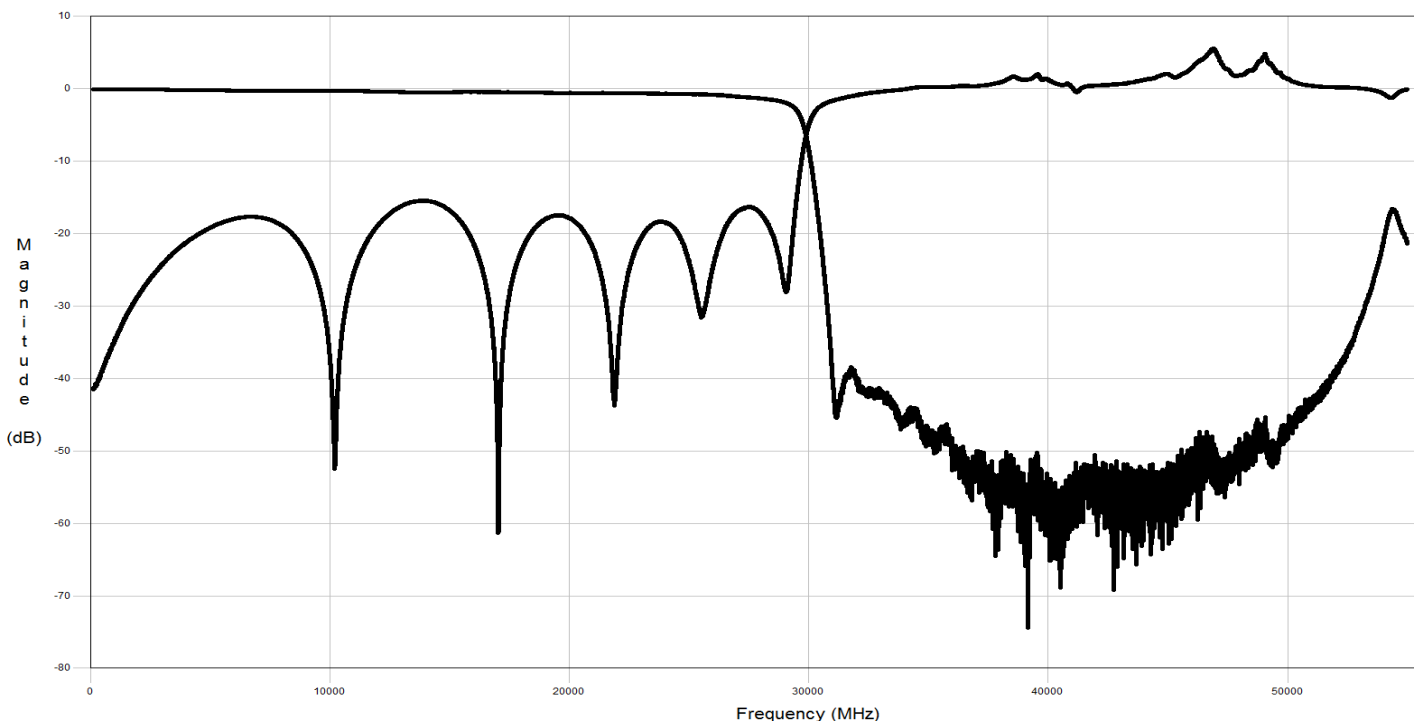
- Small Size
- Fully Shielded Component
- Solder Surface Mount Package
- Moisture Sensitivity Level: MSL1
- Frequency Stable over Temperature
- Operating & Storage Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

### SPECIFICATIONS\*

Parameter	Frequency Range (GHz)	Min	Typ.	Max
Insertion Loss (dB)	DC - 27.0	-	1.5	1.75
Return Loss (dB)		10	15	-
Low Side Rejection (dB)	34.0 - 50.0	40	45	-
Input Power (W)				TBD
Size (L x W x H)	0.220 X 0.140 X 0.098 in 5.59x 3.55 x 2.5 mm			

\*Electrical specifications based on typical probed performance at room temperature. Insertion loss shall vary up to  $\pm 0.5$ dB over

### Typical Measured Performance

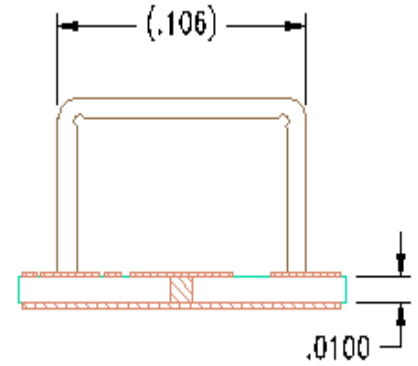
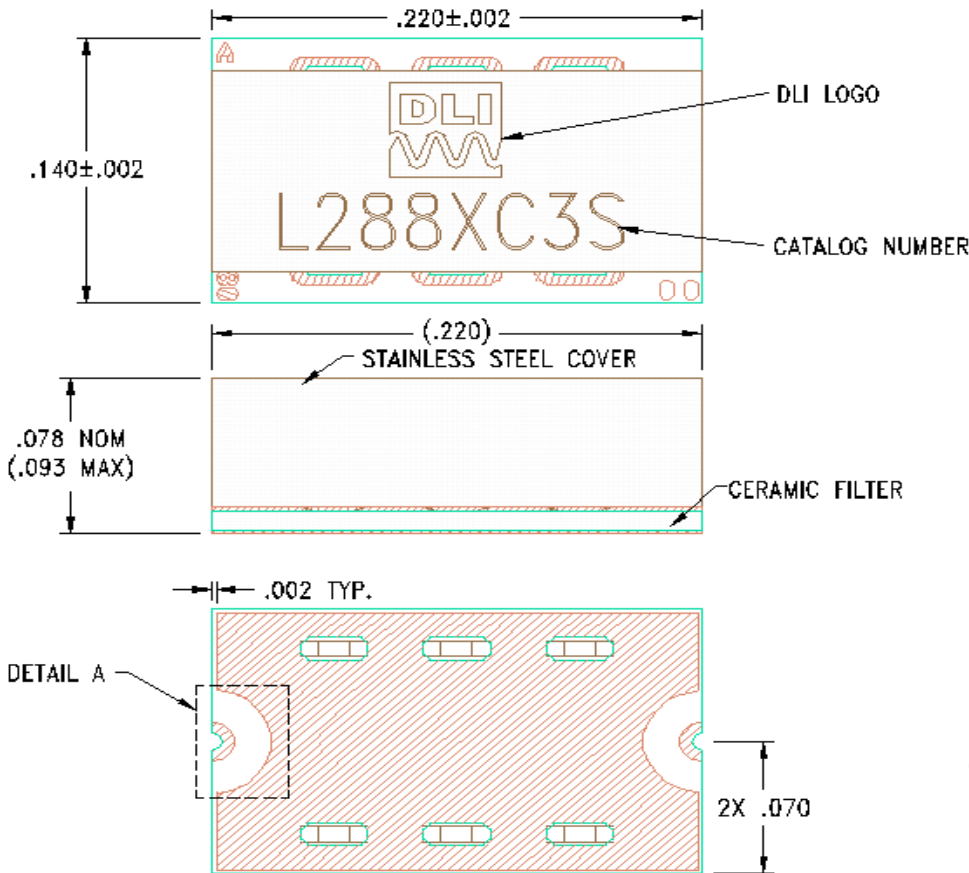


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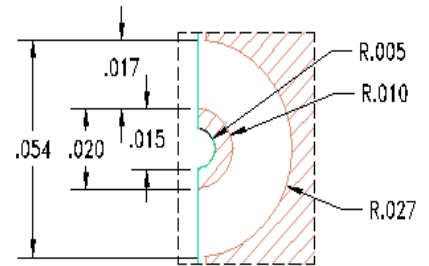
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**Physical Dimensions**

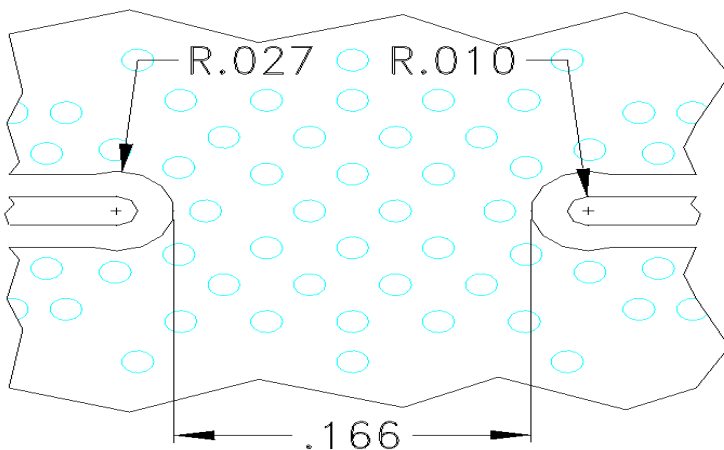
Units = inches



**DETAIL A**  
(2 PLACES)



**Recommended PCB Layout**



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

