14GHz Surface Mount Highpass Filter

H140XHXS

www.dilabs.com

DLI • Novacap • Syfer • Voltronics

www.knowlescapacitors.com

DESCRIPTION

DLI's 14GHz highpass filter offers unmatched size and performance in a surface mount configuration. This filter utilizes DLI's low loss temperature stable materials which offer small size and minimal performance variation over temperature.

FEATURES

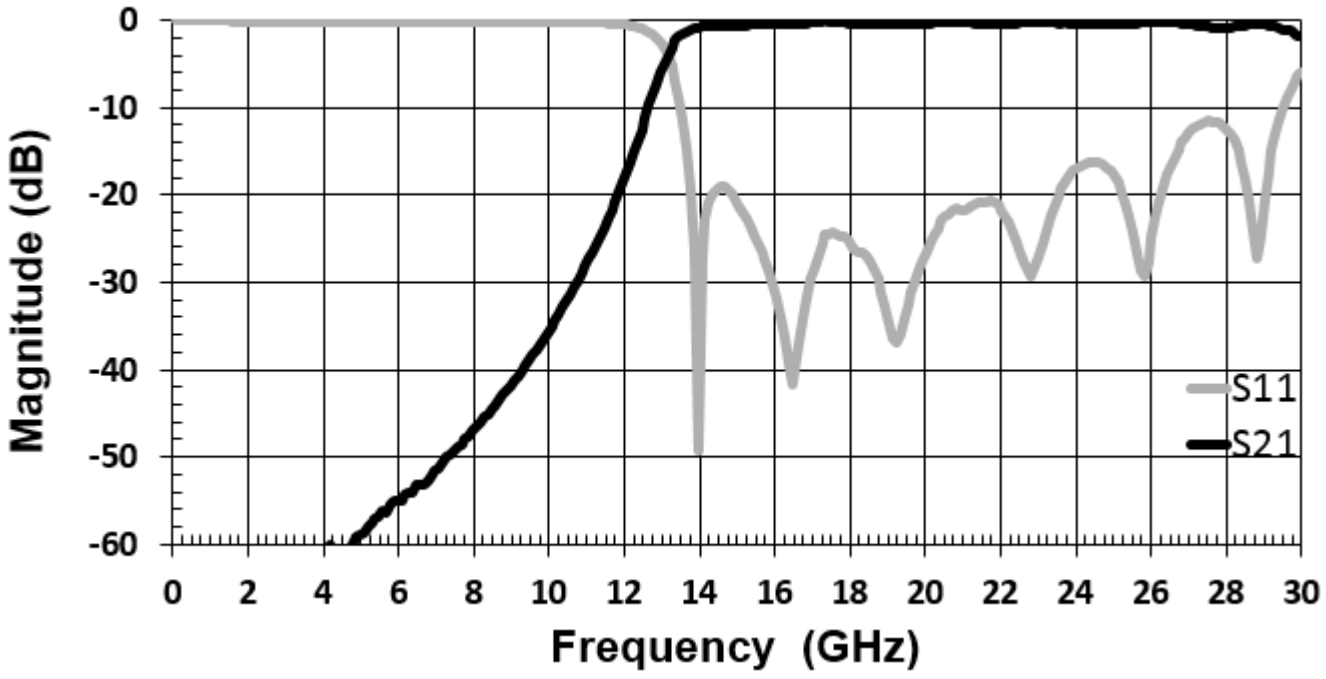
- Small Size
- Frequency Stable over Temperature
- Solder Surface Mount Package
- Excellent Repeatability
- Operating Temp: -55˚C to +125˚C
- Characteristic Impedance: 50Ω

SPECIFICATIONS*

Parameter	Frequency Range	Min	Typ.	Max
3dB Cutoff	14 GHz			
Insertion Loss (dB)	14 - 28GHz		0.75	2
Return Loss (dB)		10	18	
Low Side Rejection (dB)	DC - 9.5GHz	30	38	
Input Power (W)	-			TBD

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

Typical Measured Performance



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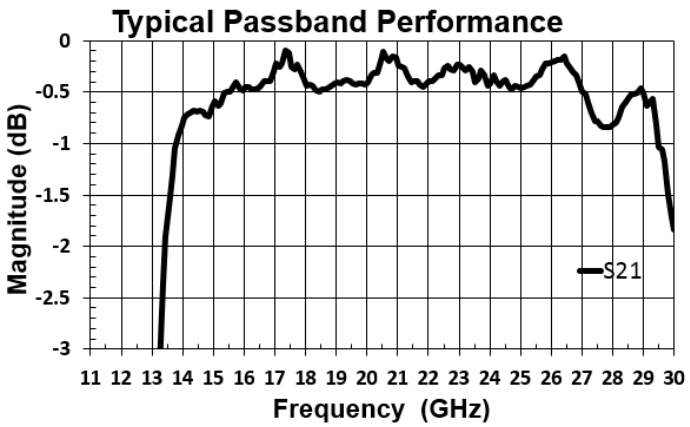
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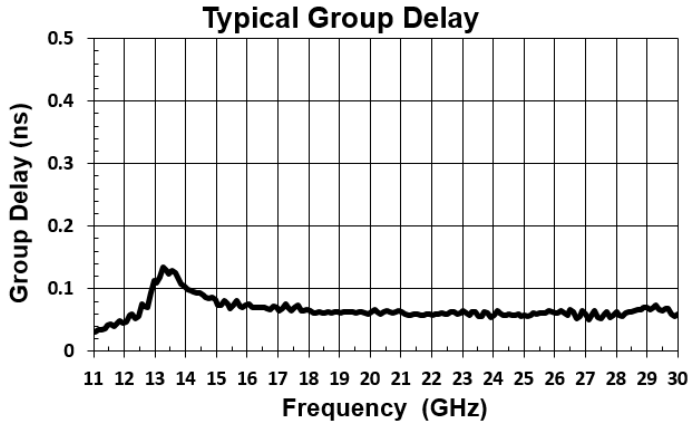
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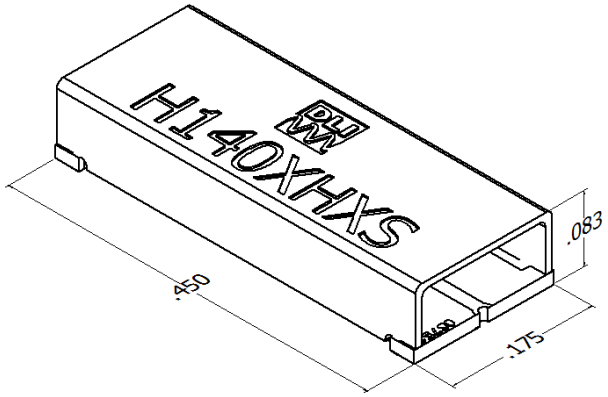
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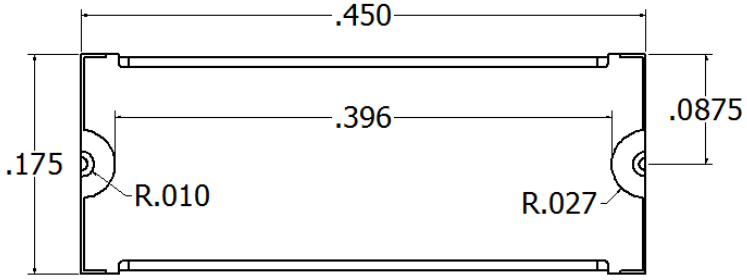


Physical Dimensions

Units = inches

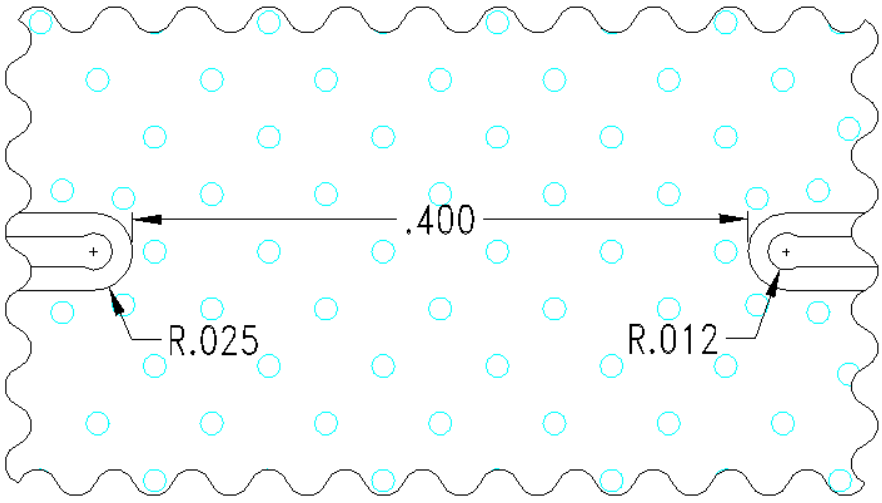


Isometric View



Bottom View

Recommended PCB Layout



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

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May 2016