



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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8GHz Surface Mount Highpass Filter

H080XHXS



DLI • Novacap • Syfer • Voltronics

www.dilabs.com

www.knowlescapacitors.com

DESCRIPTION

DLI's 8GHz 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

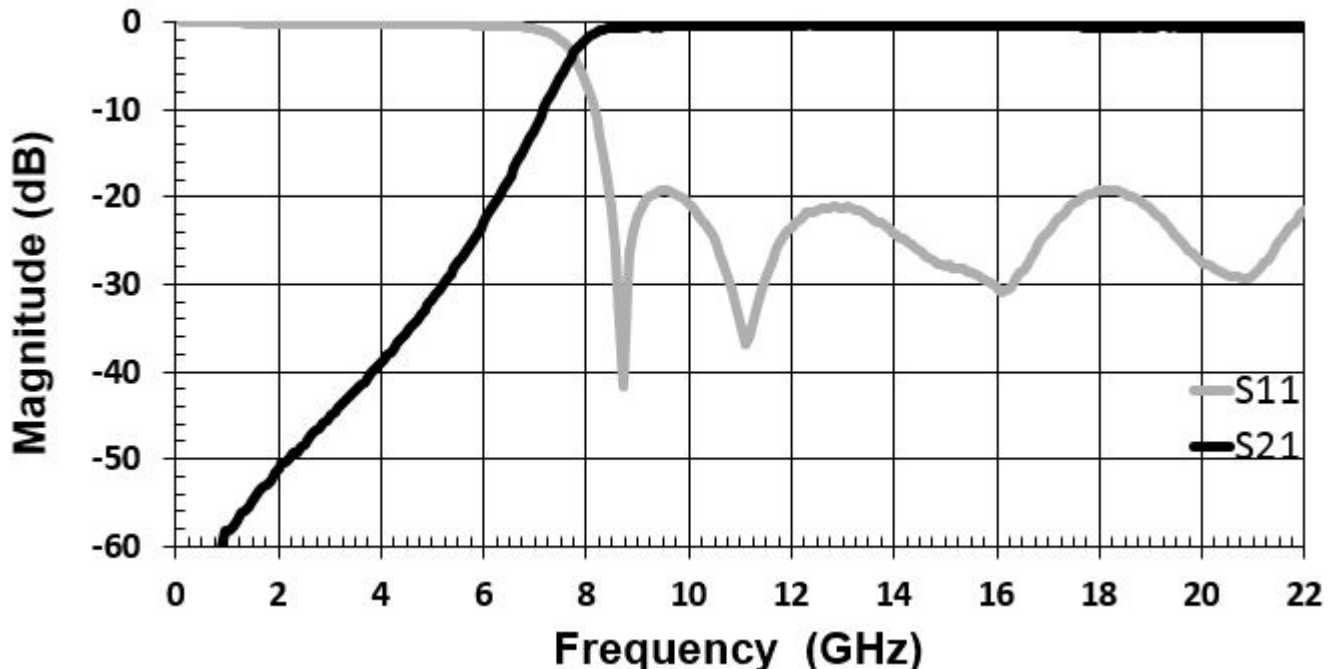
- Small Size
- Frequency Stable over Temperature
- Solder Surface Mount Package
- Excellent Repeatability
- Operating Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

SPECIFICATIONS*

| Parameter | Frequency Range | Min | Typ. | Max |
|-------------------------|-----------------|-----|------|-----|
| 3dB Cutoff (GHz) | - | | 8 | |
| Insertion Loss (dB) | 8.5 - 22GHz | | 0.75 | 2 |
| Return Loss (dB) | | 15 | 20 | |
| Low Side Rejection (dB) | DC - 5GHz | 30 | | |
| Input Power (W) | - | | | TBD |

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

Typical Measured Performance





8GHz Surface Mount Highpass Filter

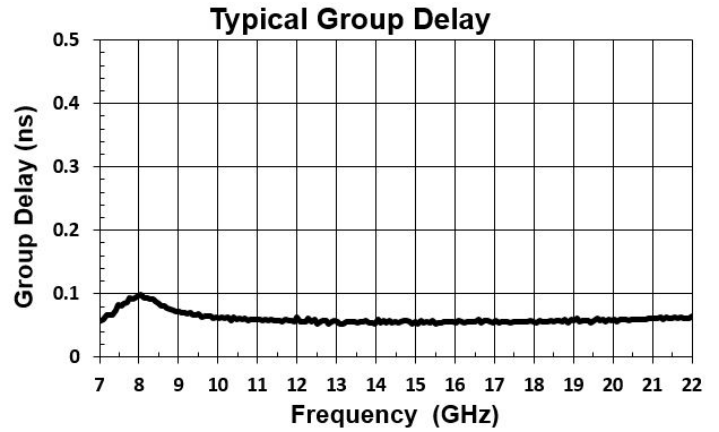
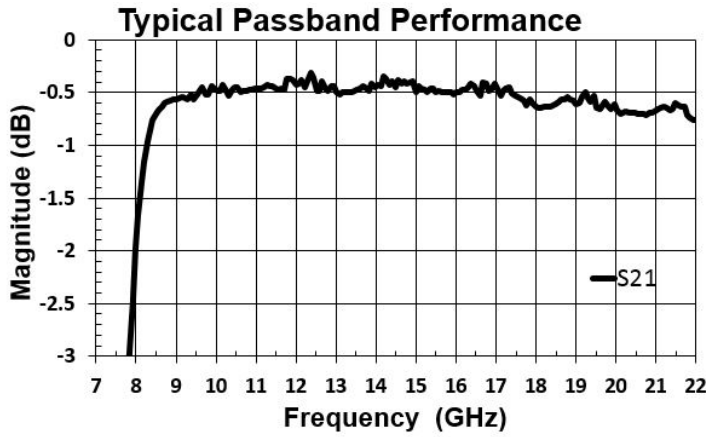
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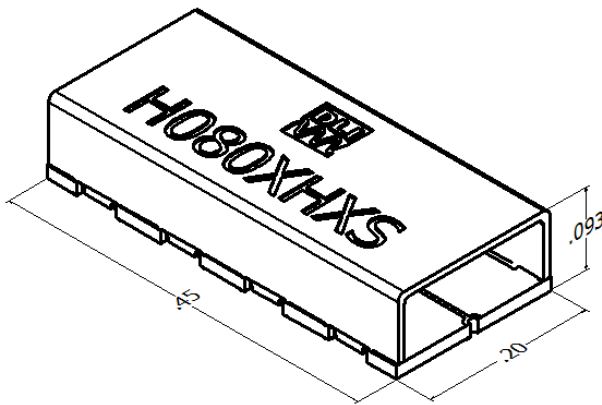
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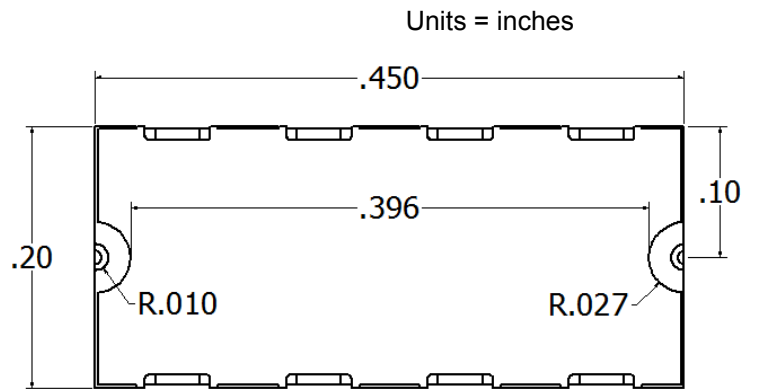
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Physical Dimensions

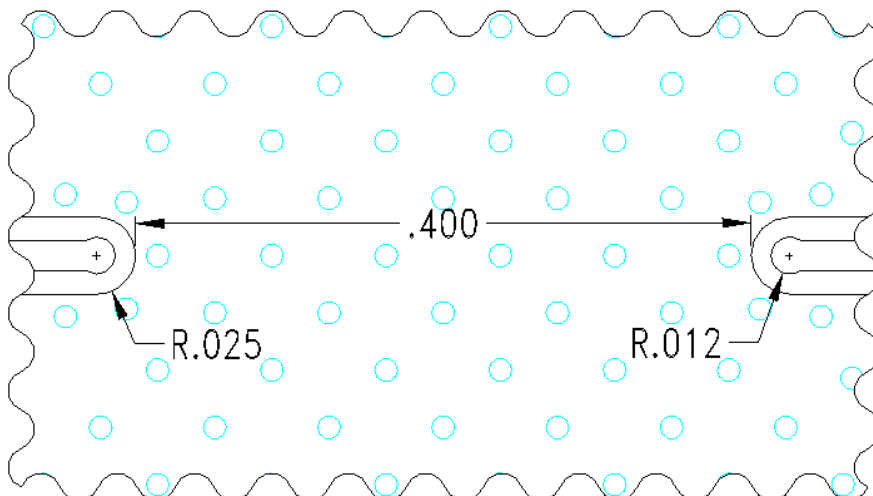


Isometric View



Bottom View

Recommended PCB Layout



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



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