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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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# 18GHz Surface Mount Highpass Filter

**H182XHXS**



DLI • Novacap • Syfer • Voltronics

www.dilabs.com

www.knowlescapacitors.com

## DESCRIPTION

DLI's 18GHz 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

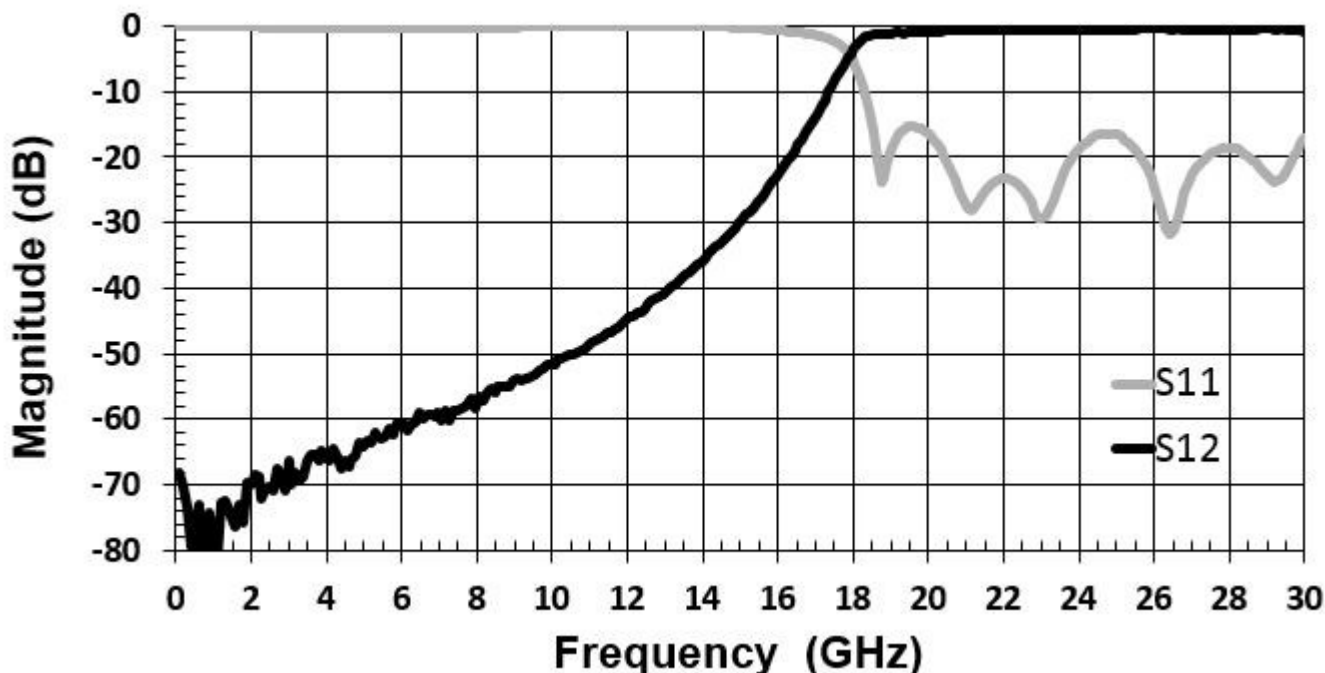
- Small Size
- Frequency Stable over Temperature
- Solder Surface Mount Package
- Excellent Repeatability
- Operating Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

## SPECIFICATIONS\*

Parameter	Frequency Range	Min	Typ.	Max
3dB Cutoff (GHz)	-		18.2	
Insertion Loss (dB)	18.75 - 28GHz		0.75	2
Return Loss (dB)		12	15	
Low Side Rejection (dB)	DC - 14GHz	30		
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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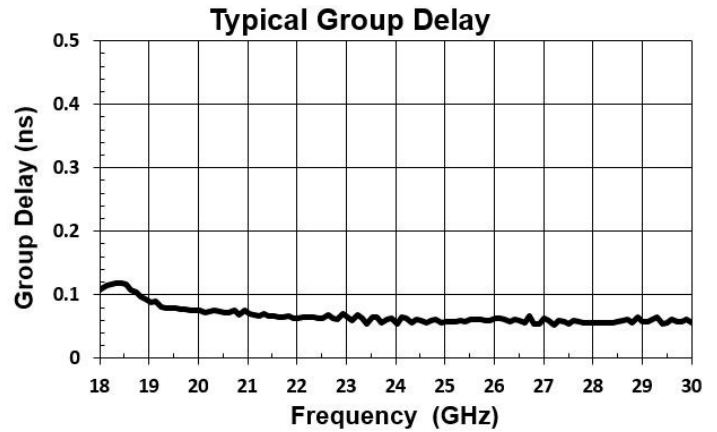
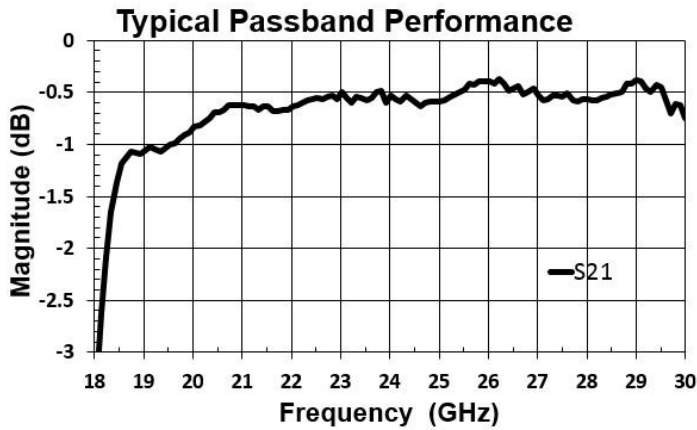
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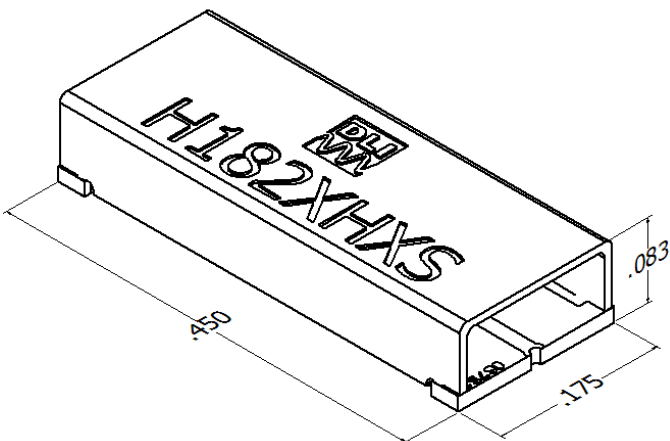
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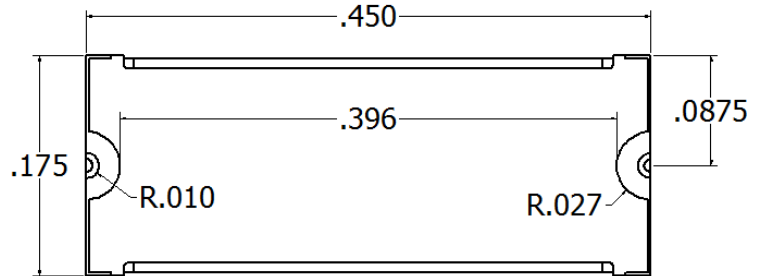


## Physical Dimensions



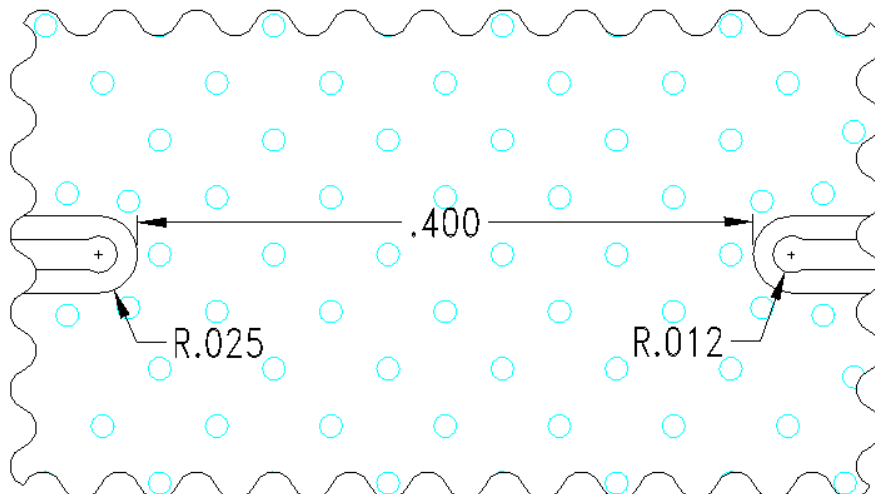
Isometric View

Units = inches



Bottom View

## Recommended PCB Layout



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



2777 Route 20 East, Cazenovia, NY 13035 | Ph.: (315)655-8710 | KCCSales@knowles.com

May 2016