



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!



## 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



## 1.227GHz Surface Mount Bandpass Filter

**B012MD5S**

### DESCRIPTION

One of DLI's surface mountable catalog bandpass filters designed for the 5G band. This filter utilizes DLI's low loss temperature stable materials which offer small size and minimal performance variation over temperature. The catalog BPF's are offered in a variety of frequency bands, which offers a drop in solution with highly repeatable performance.

### FEATURES

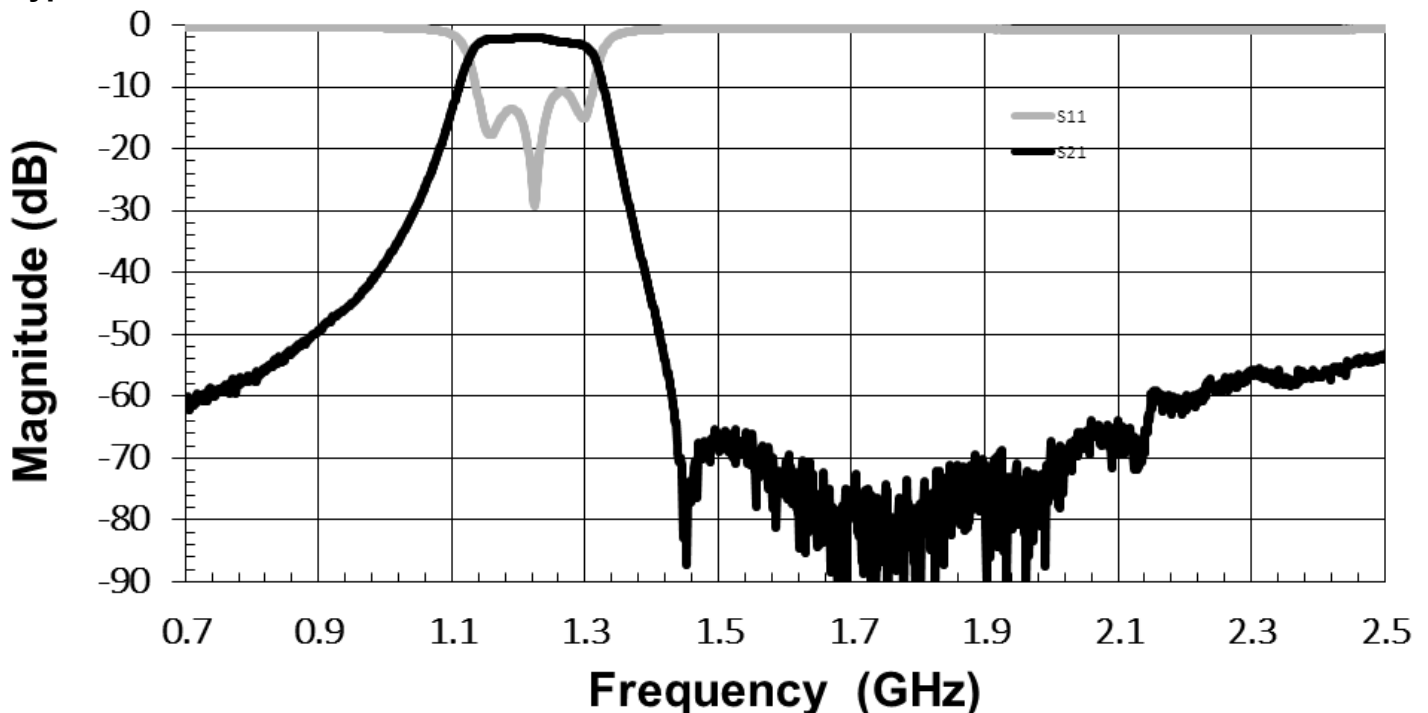
- Small Size
- Shielded Component
- Solder Surface Mount Package
- Moisture Sensitivity Level: MSL1
- Frequency Stable over Temperature
- Operating & Storage Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

### SPECIFICATIONS\*

Parameter	Frequency Range (GHz)	Min	Typ.	Max
Insertion Loss (dB)	1.220 - 1.234		2.5	3.5
Return Loss (dB)		10		
Low Side Rejection (dB)	DC - 0.925	40	45	
High Side Rejection (dB)	1.45 - 2.5	40	50	
Input Power (W)				TBD
Size (L x W x H)	0.460 x 0.460 x 0.113 in 11.68 x 11.68 x 2.87 mm			

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

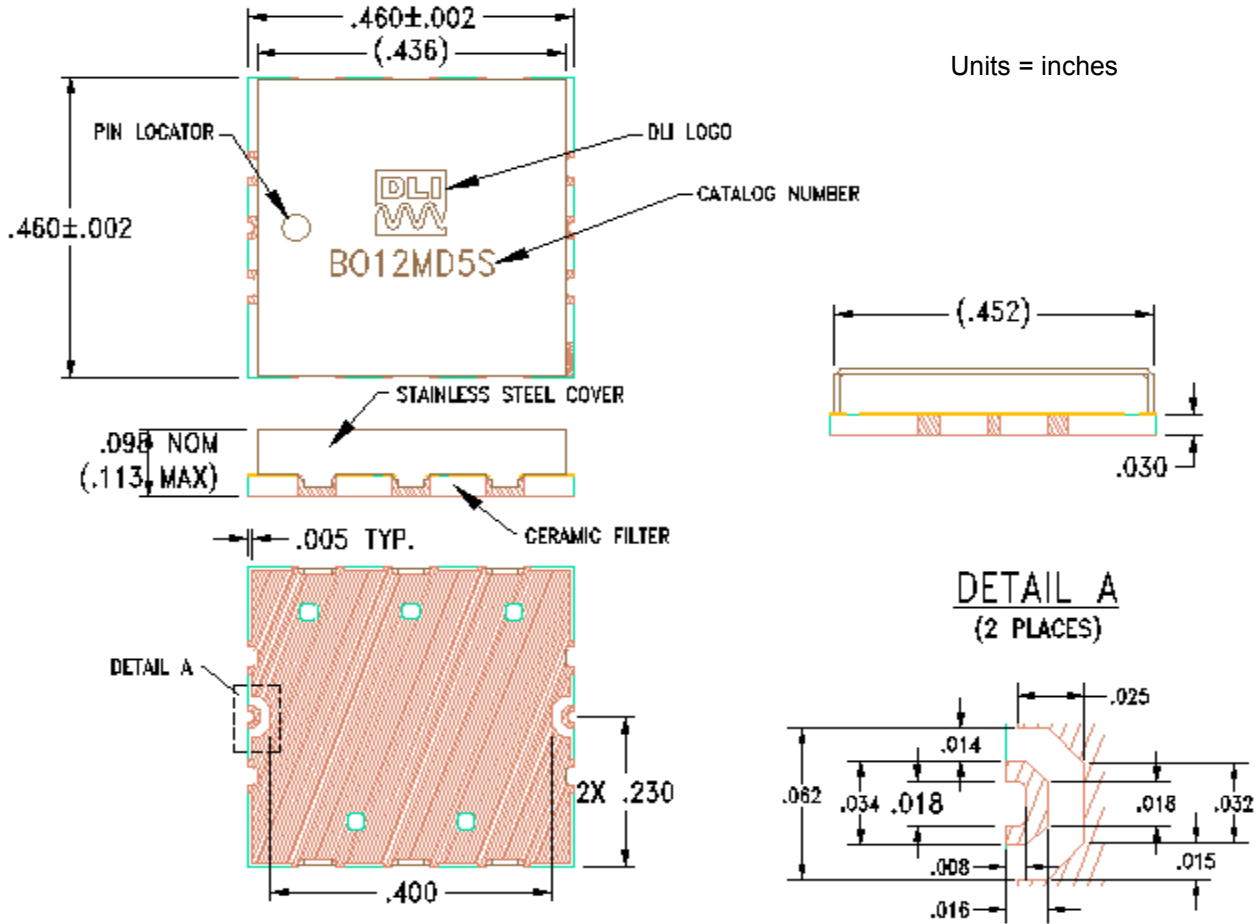
### Typical Measured Performance



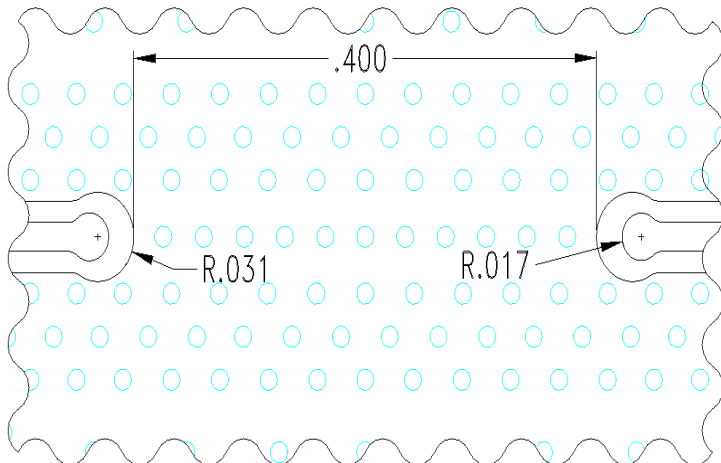
**1.227GHz Surface Mount Bandpass Filter**

**B012MD5S**

**Physical Dimensions**



**Recommended PCB Layout**



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

