

(nowles Precision Devices brand

10.6 GHz Surface Mount Bandpass Filter



B105MB5S

www.knowlescapacitors.com

DESCRIPTION

SPECIFICATIONS*

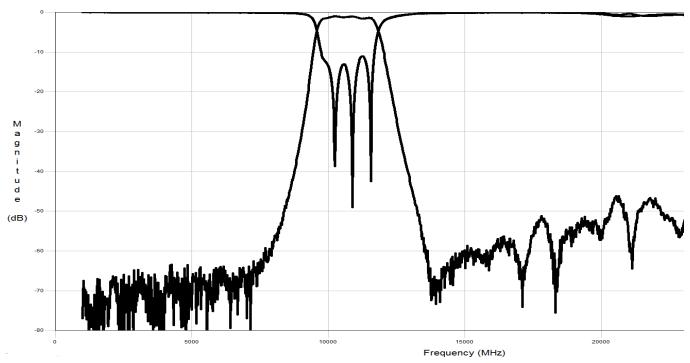
One of DLI's surface mountable catalog bandpass filters . This filter utilizes DLI's low loss temperature stable materials which offer small size and minimal performance variation over temperature. The catalog BPF's are offered in a variety of frequency bands, which offers a drop in solution with highly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

FEATURES

- Small Size •
- **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

Parameter	Frequency Range (GHz)	Min	Тур.	Max
Insertion Loss (dB)	10.0 - 11.2	-	1.75	2.0
Return Loss (dB)		10	12	-
Low Side Rejection (dB)	DC - 8.0	45	50	-
High Side Rejection (dB)	13.0 - 23.5	40	50	
Input Power (W)				TBD
Size (L x W x H)	0.450 x 0.200x 0.103 in 11.43 x 5.0 x 2.61 mm			

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



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Typical Measured Performance



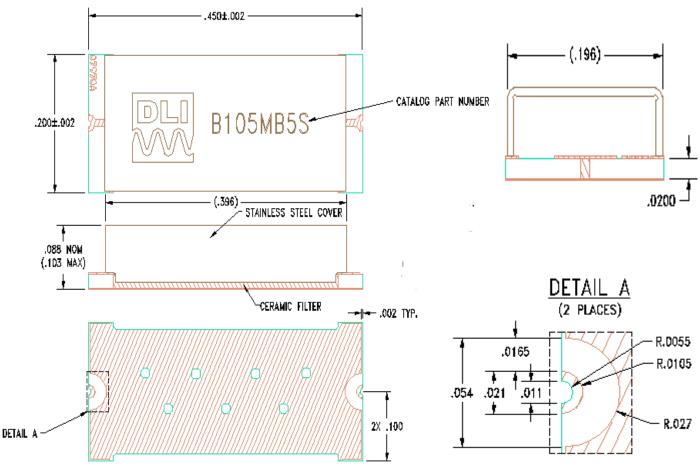
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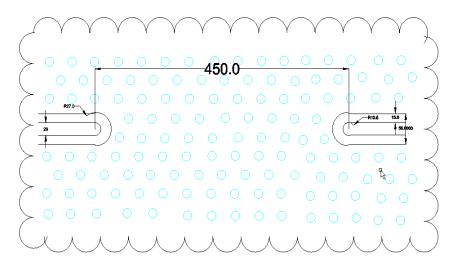
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Physical Dimensions

Units = inches



Recommended PCB Layout



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



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