

12 GHz Surface Mount Bandpass Filter



DESCRIPTION



SPECIFICATIONS*

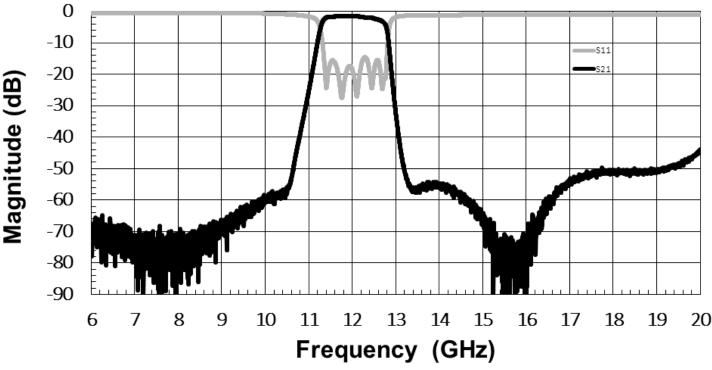
	One of DLI's surface mountable catalog
Par	bandpass filters designed for the 5G band. This
r ai	filter utilizes DLI's low loss temperature stable
	materials which offer small size and minimal
Insertio	performance variation over temperature. The
	catalog BPF's are offered in a variety of
Return	frequency bands, which offers a drop in solution
Keturn	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)	11.5 - 12.5		2.0	3.0	
Return Loss (dB)		10	14	18	
Low Side Rejection (dB)	DC - 10.6	30	45		
High Side Rejection (dB)	13.2 - 19.5	30	45		
Input Power (W)				TBD	
Size (L x W x H)	0.525 x 0.225 x 0.090 in 13.34 x 5.72 x 2.27 mm				

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



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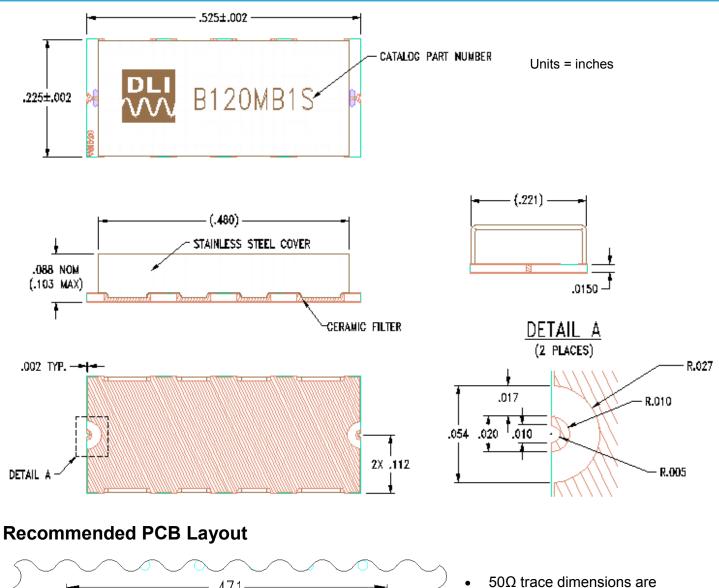
Typical Measured Performance



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B120MB1S



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



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