

a Knowles Precision Devices brand

## 5.70 GHz Surface Mount Bandpass Filter



### **B057MC5S**

#### 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.

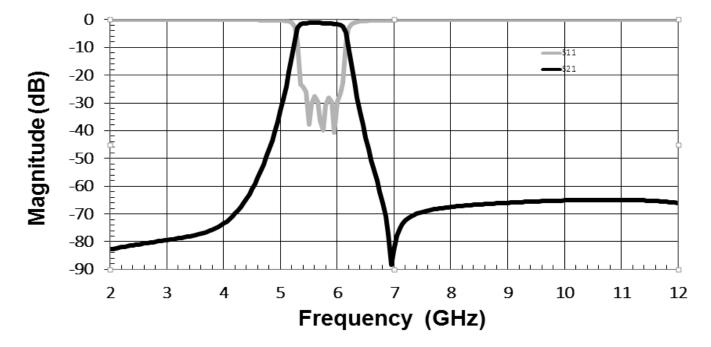
### FEATURES

- Small Size
- 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

### **SPECIFICATIONS\***

Parameter	Frequency Range (GHz)	Min	Тур.	Max
Insertion Loss (dB)	5.45 - 5.95		2.0	2.5
Return Loss (dB)			12	15
Low Side Rejection (dB)	DC - 4.7		40	50
High Side Rejection (dB)	6.6 - 14.25		40	TBD
Input Power (W)				TBD
Size (L x W x H)	0.350 x 0.200 x 0.110 in 8.89 x 5.08 x 2.79 mm			

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



# Typical Measured Performance

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



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292 0000

-350.0000-

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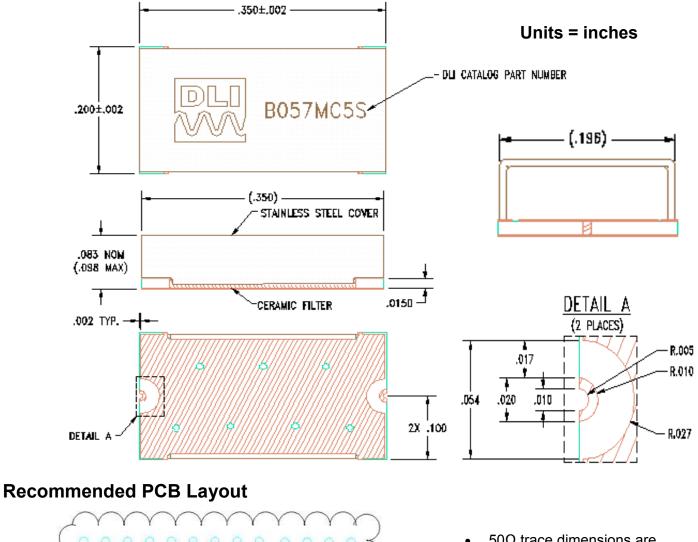
20.0000

R10.5000



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# **Physical Dimensions**



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



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R27.0000