

a Knowles Precision Devices brand

## 14.5 GHz Surface Mount Bandpass Filter



#### **B144MB1S**

#### DESCRIPTION

SPECIFICATIONS\*

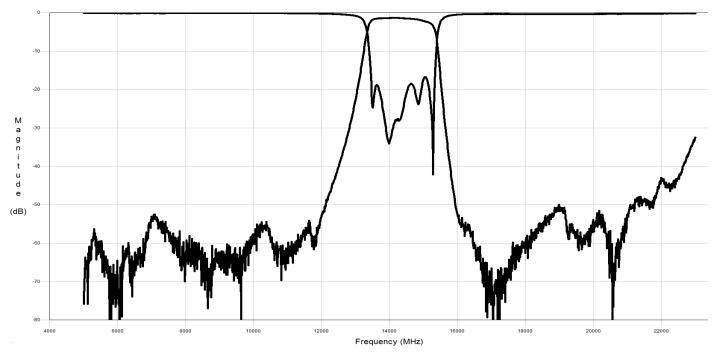
One of DLI's surface mountable catalog bandpass filters. This filter utilizes DLI's low loss temperature stable materials which offer small size and minimal performance variation over temperature. The catalog BPF's are offered in a variety of frequency bands, which offers a drop in solution with highly 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)	14.0 - 15.0	-	2.4	2.5
Return Loss (dB)		12	15	-
Low Side Rejection (dB)	DC - 12.25	40	45	-
High Side Rejection (dB)	16.25 - 22.0	40	45	
Input Power (W)				TBD
Size (L x W x H)	0.400 x 0.200 x 0.098 in 10.16 x 5.0 x 2.5 mm			

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



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

## Typical Measured Performance



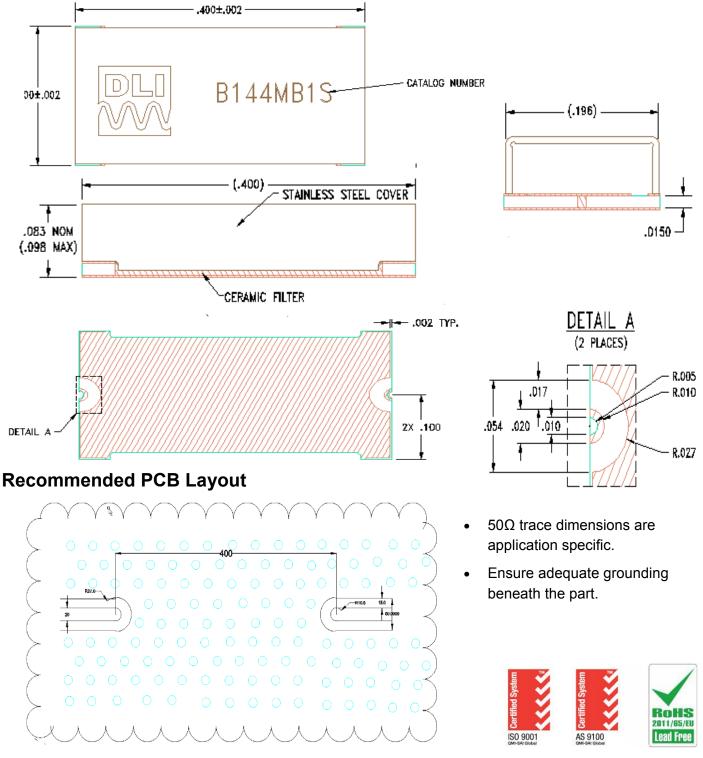
14.5 GHz Surface Mount Bandpass Filter



### **B144MB1S**

# **Physical Dimensions**

Units = inches



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