

# **SURFACE MOUNT BANDPASS FILTER**

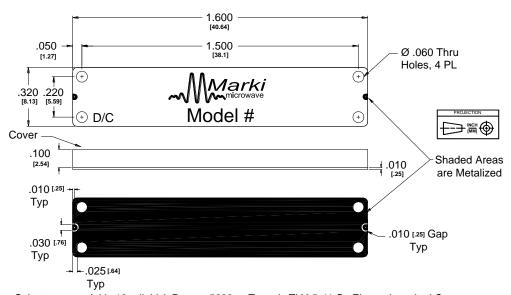
#### FB-1050SM

### **Features**

- Chebyshev Response
- Typical 3 dB Bandwidth, ± 8.5%
- 50 dB Stop Band Suppression
- 5 Section Filter
- FB-1050.S2P
- Reflow Solderable

### **Electrical Specifications** – Specifications guaranteed from -55 to +100°C, measured in a $50\Omega$ system.

Parameter	Frequency (GHz)	Min	Тур.	Max
Center Frequency, f <sub>c</sub>	10.5			
Pass Band	9.6-11.4			
Insertion Loss (dB)	10.5		2	3
Return Loss (dB)	9.6-11.4		15	
Stop Band Suppression (dB) , Lower	6.3		50	
	7.6		35	
Stop Band Suppression (dB) , Upper	14.4		50	
	13.2		35	
Impedance (□)			50	
RF Power (W)				1



Substrate material is 10-mil thick Rogers 5880 or Taconic TLY-5, ½ Oz Electrodeposited Cu. I/O Pads & Ground Plane Finish is 100-300 μ-inches 60/40 Pb/Sn Solder Plate over Cu. See <a href="http://www.markimicrowave.com/menus/appnotes/an-flsm1600-pcb.pdf">http://www.markimicrowave.com/menus/appnotes/an-flsm1600-pcb.pdf</a> for suggested PCB layout.

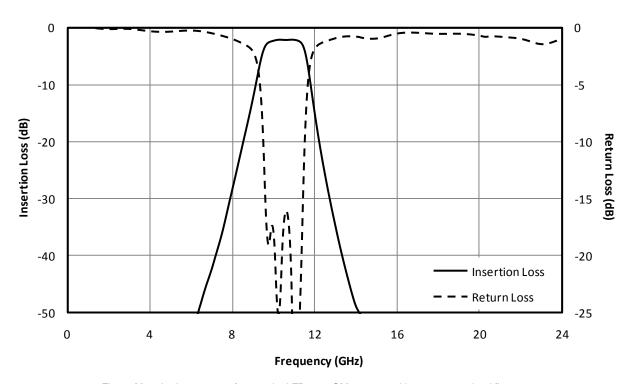


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## **Typical Performance**



 $\label{eq:FB-1050SM} \textbf{Fig. 1. Magnitude response for a typical FB-1050SM}, \ \textbf{measured in a connectorized fixture}.$ 

Model Number	Description	
FB-1050SM	10.5 GHz Bandpass Filter, Surface Mount	

Connectorized test fixtures available. Consult factory.

#### NOTE:

Specifications are subject to change without notice. Contact Marki Microwave for the most recent specifications and data sheets.

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