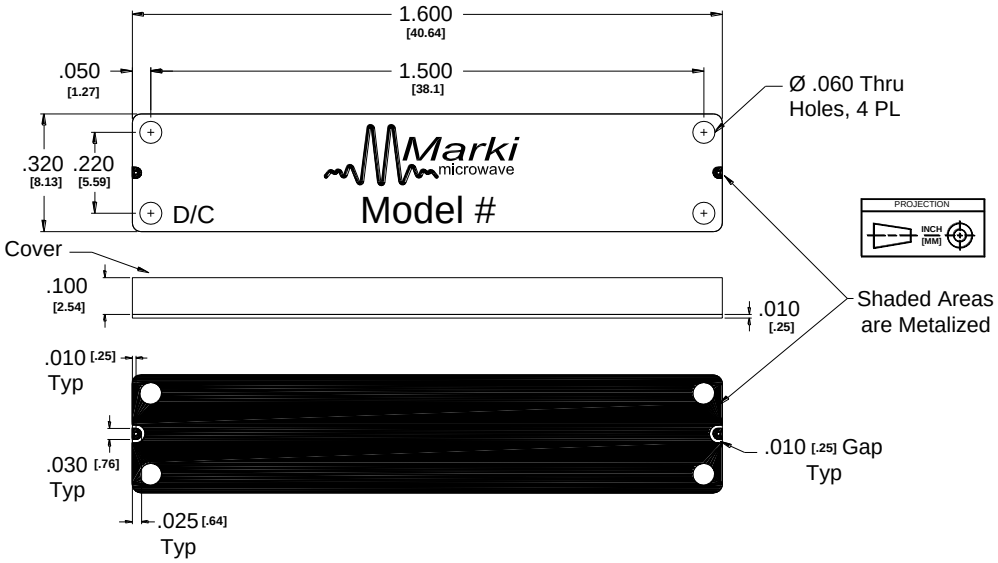
SURFACE MOUNT BANDPASS FILTER FB-1050SM

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 50Ω system.

Parameter	Frequency (GHz)	Min	Typ.	Max
Center Frequency, f_c	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 7.6		50 35	
Stop Band Suppression (dB) , Upper	14.4 13.2		50 35	
Impedance (Ω)			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 http://www.markimicrowave.com/menus/appnotes/an-flsm1600-pcb.pdf for suggested PCB layout.

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SURFACE MOUNT BANDPASS FILTER FB-1050SM

Typical Performance

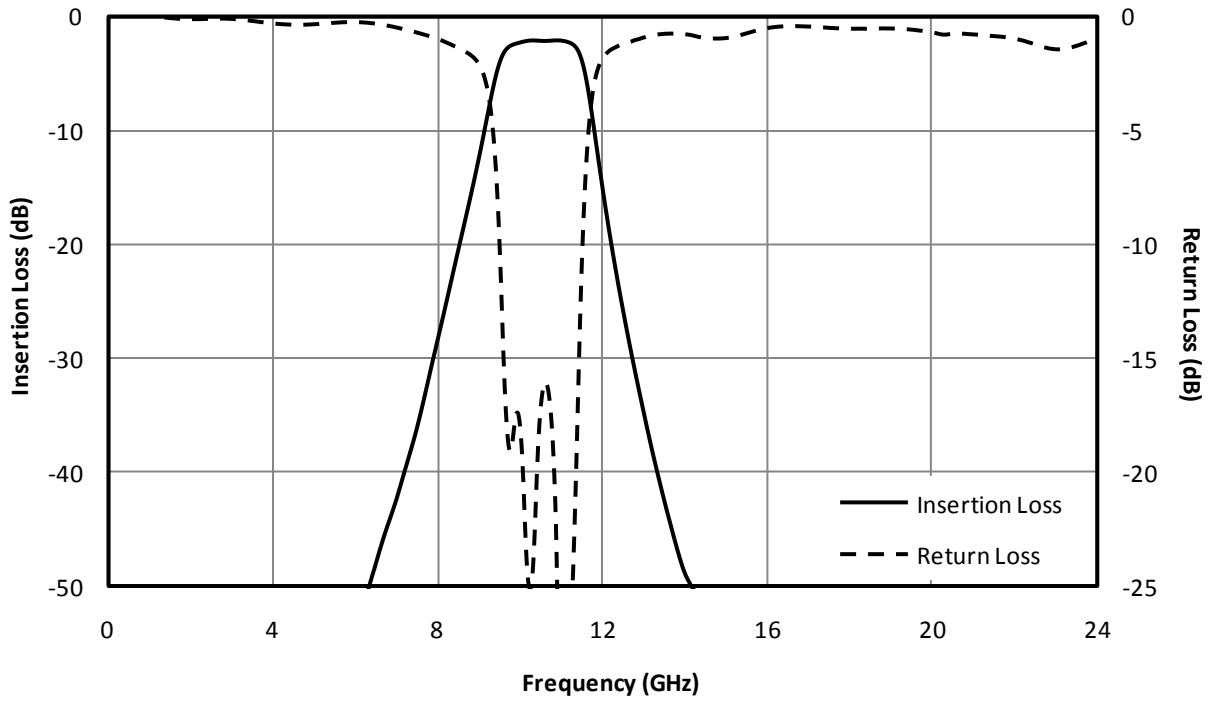


Fig. 1. Magnitude response for a typical FB-1050SM, measured in a connectorized fixture.

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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