

SURFACE MOUNT BANDPASS FILTER

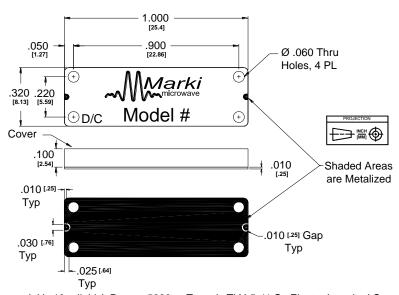
FB-1575SM

Features

- Chebyshev Response
- Typical 3 dB Bandwidth, ± 7.5%
- 50 dB Stop Band Suppression
- 5 Section Filter
- FB-1575.S2P
- Reflow Solderable

Electrical Specifications – Specifications guaranteed from -55 to +100°C, measured in a 50Ω system.

Parameter	Frequency (GHz)	Min	Тур.	Max
Center Frequency, f _c	15.75			
Pass Band	14.6-16.9			
Insertion Loss (dB)	15.75		2	3
Return Loss (dB)	14.6-16.9		15	
Stop Band Suppression (dB) , Lower	9.9		50	
	11.4		35	
Stop Band Suppression (dB) , Upper	20.3		50	
	18.9		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-flsm1000-pcb.pdf for suggested PCB layout.

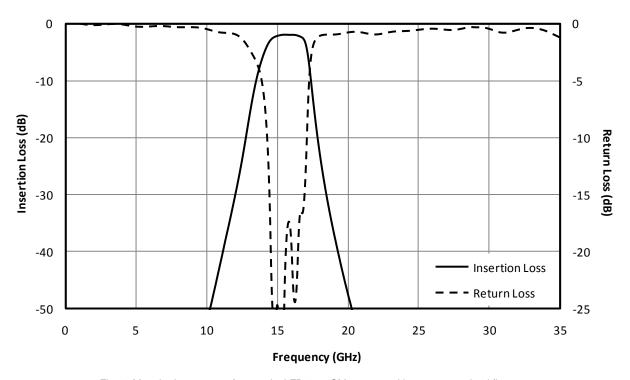


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Typical Performance



 $Fig. \ 1. \ Magnitude \ response \ for \ a \ typical \ FB-1575SM, \ measured \ in \ a \ connectorized \ fixture.$

Model Number	Description	
FB-1575SM	15.75 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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