LEAD-FREE / RoHS-COMPLIANT

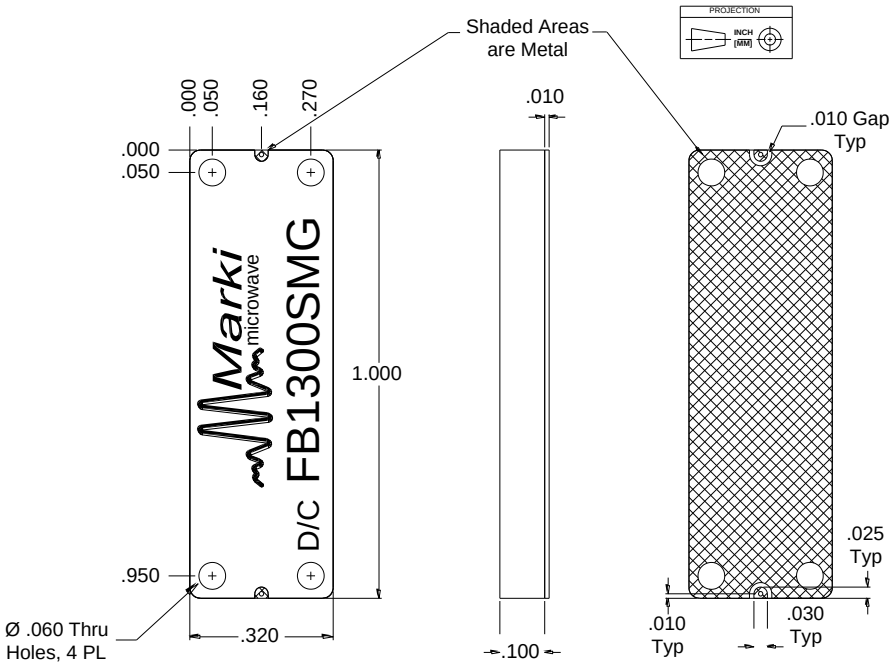
SURFACE MOUNT BANDPASS FILTER FB-1300SMG

Features

- Chebyshev Response
- Typical 3 dB Bandwidth, ± 7.5%
- 50 dB Stop Band Suppression
- 5 Section Filter
- FB-1300.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	13.0			
Pass Band	12.0-14.0			
Insertion Loss (dB)	13.0		2	3
Return Loss (dB)	12.0-14.0		15	
Stop Band Suppression (dB) , Lower	8.0 9.2		50 35	
Stop Band Suppression (dB) , Upper	17.8 17.0		50 35	
Impedance (Ω)			50	
RF Power (W)				1



Substrate material is 10-mil thick Rogers 5880 or Taconic TLY-5, ½ Oz Rolled Cu Both Sides.
Gold Flash Finish, 10 u-inches typical, over solderable electroplated nickel, 100-200 u-inches per QQ-N-290A
See http://www.markimicrowave.com/menus/appnotes/an-flsm1000-pcb.pdf for suggested PCB layout.

215 Vineyard Court, Morgan Hill, CA 95037 | Ph: 408.778.4200 | Fax 408.778.4300 | info@markimicrowave.com

Typical Performance

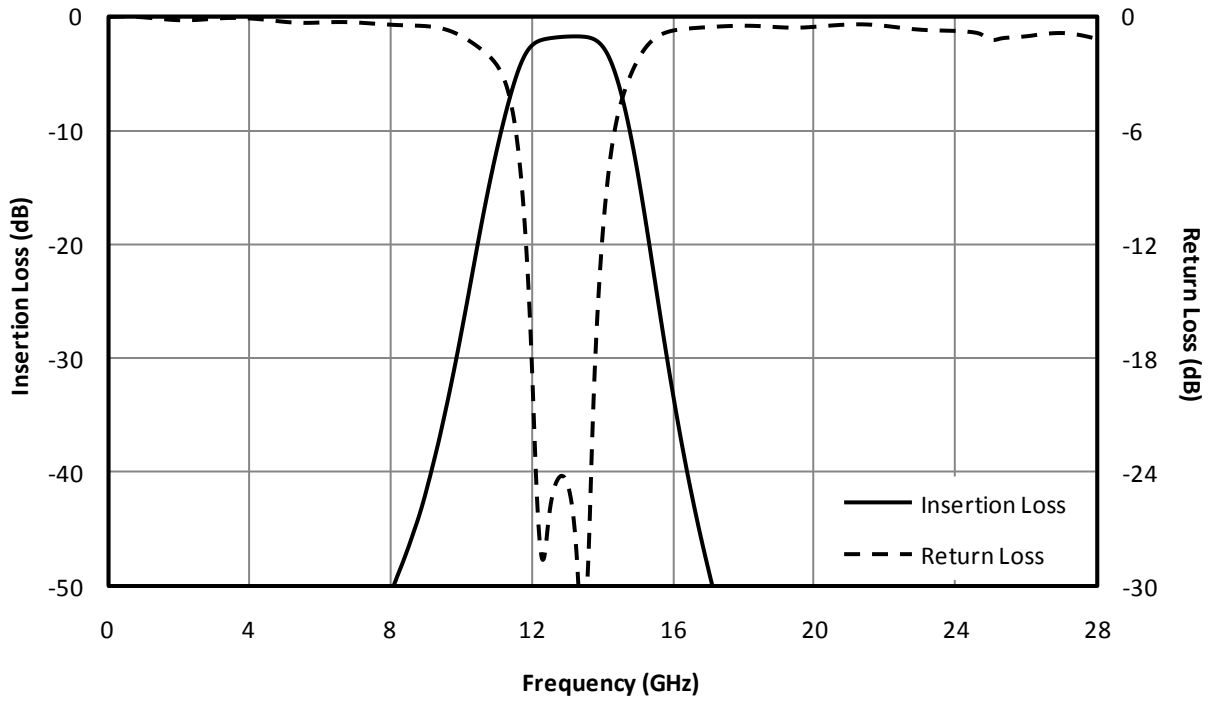


Fig. 1. Magnitude response for a typical FB-1300SM, measured in a connectorized fixture.

Model Number	Description
FB-1300SMG	13.0 GHz Bandpass Filter, Surface Mount, LEAD-FREE/RoHS COMPLIANT

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

Revision History

Revision code	Revision Date	Comment
-	September 2020	Datasheet initial Release