



## SURFACE MOUNT BANDPASS FILTER

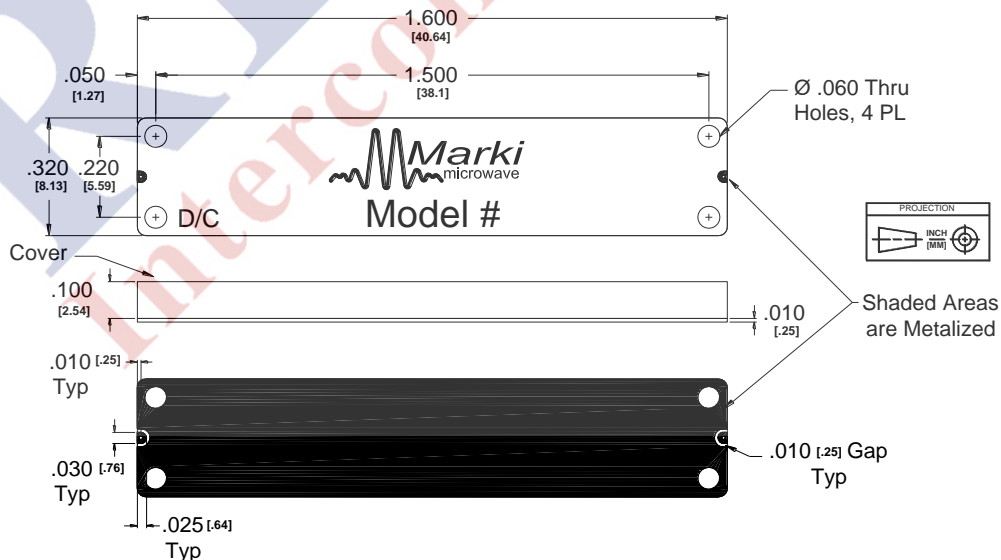
## FB-0850SM

### Features

- Chebyshev Response
- Typical 3 dB Bandwidth,  $\pm 7.5\%$
- 50 dB Stop Band Suppression
- 5 Section Filter
- [FB-0850.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, $f_c$	8.5			
Pass Band	7.85-9.2			
Insertion Loss (dB)	8.5		2	3
Return Loss (dB)	7.85-9.2		15	
Stop Band Suppression (dB) , Lower	5.15 6.0		50 35	
Stop Band Suppression (dB) , Upper	11.85 11.0		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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Typical Performance

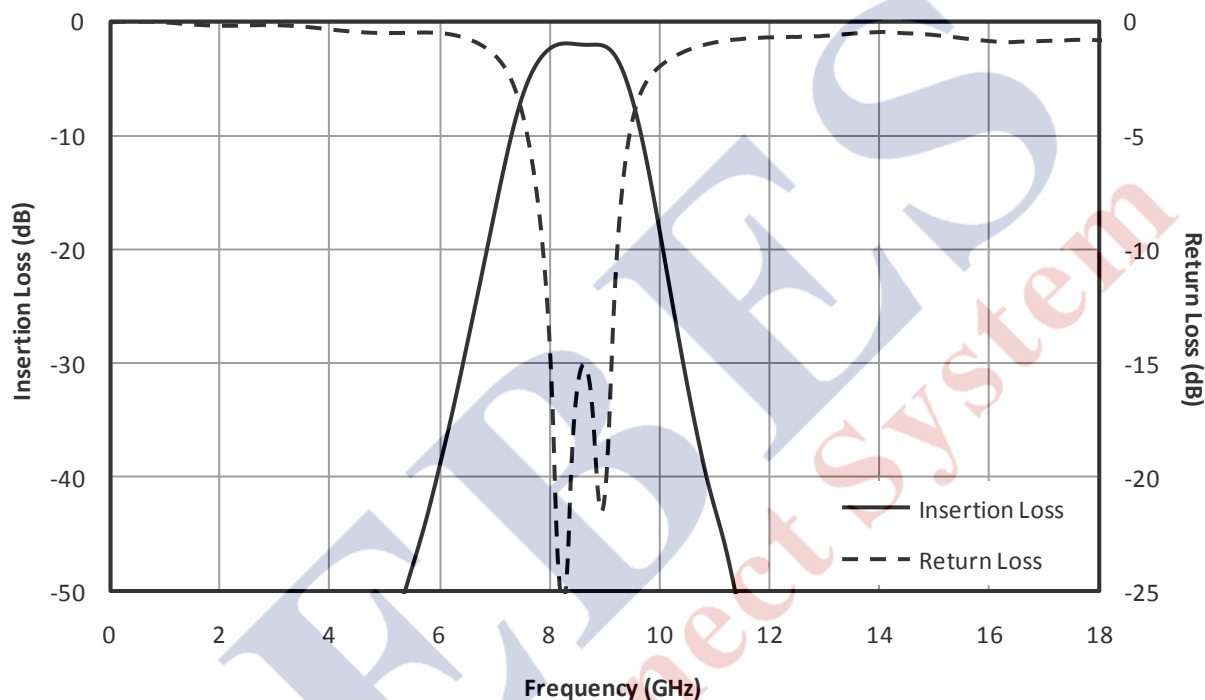


Fig. 1. Magnitude response for a typical FB-0850SM, measured in a connectorized fixture.

Model Number	Description
FB-0850SM	8.5 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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