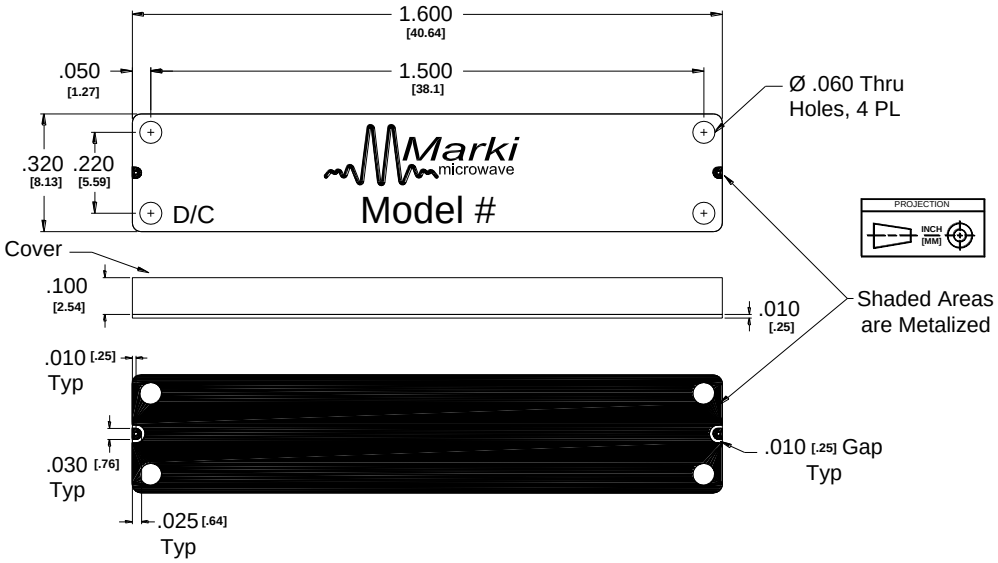
SURFACE MOUNT BANDPASS FILTER FB-0785SM

Features

- Chebyshev Response
- Typical 3 dB Bandwidth, ± 7.5%
- 50 dB Stop Band Suppression
- 5 Section Filter
- FB-0785.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	7.85			
Pass Band	7.25-8.45			
Insertion Loss (dB)	7.85		2.2	3
Return Loss (dB)	7.25-8.45		15	
Stop Band Suppression (dB) , Lower	5.7 6.3		50 35	
Stop Band Suppression (dB) , Upper	10.2 9.55		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

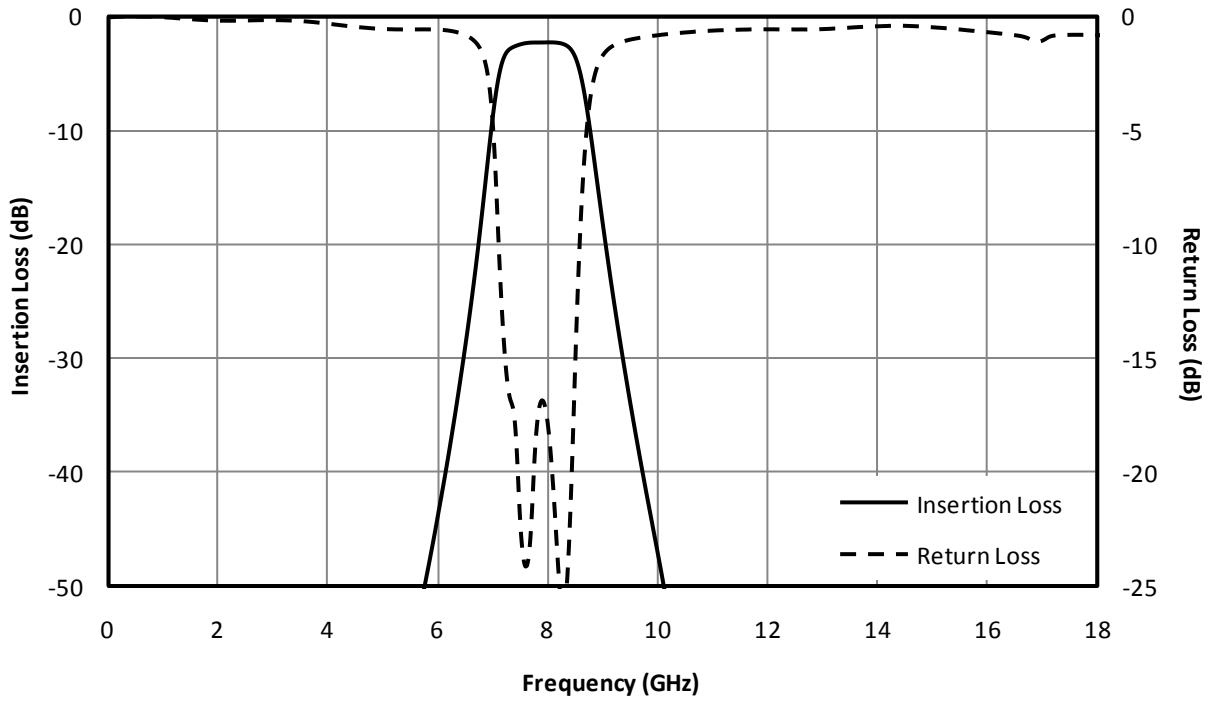

Fig. 1. Magnitude response for a typical FB-0785SM, measured in a connectorized fixture.

Model Number	Description
FB-0785SM	7.85 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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