

TECHNICAL DESCRIPTION / APPLICATION

MULTI-MIX® FILTERS

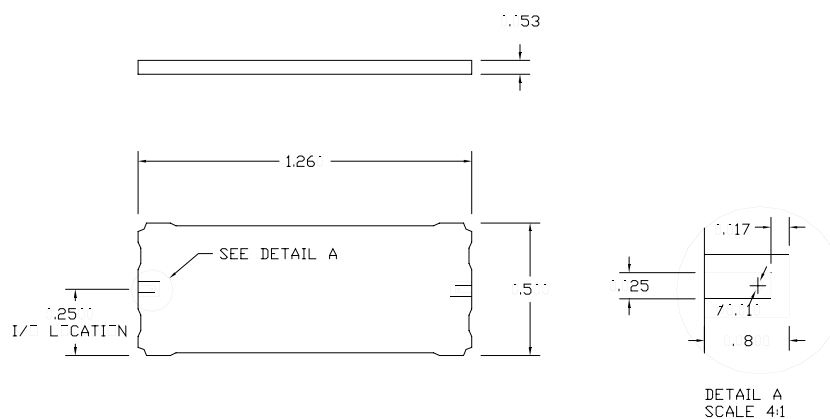
Merrimac's FBGI Series bandpass filters combine the features of Merrimac's patented Multi-Mix® multilayer fabrication technology with the ability to operate to three times their center frequency without reentrant spurious passbands. They typically offer better overall performance than filters designed to the same specification with conventional filter fabrication techniques.



GENERAL SPECIFICATIONS

Filter Type	Center Frequency	1 dB Operating Bandwidth (MHz MIN)	Insertion Loss @ Center Frequency	Rejection	VSWR (MAX)
BANDPASS	800 MHz Nominal	80	2.6 dB (NOM) 3.0 dB (MAX)	-50 dB MIN. @ 600 MHz -50 dB MIN. @ 100 MHz -60 dB MIN @ 1200-3400 MHz	1.6:1
Size (Inches)		Weight (Grams / Oz.)	RF Interface/ Connections	Operating Temperature	
1.260 x 0.500 x 0.053		1.6 / 0.06	SMT	-55° - +85° C	

PACKAGE OUTLINE



THE MULTI-MIX MICROTECHNOLOGY® GROUP IS ISO 9001:2000 REGISTERED

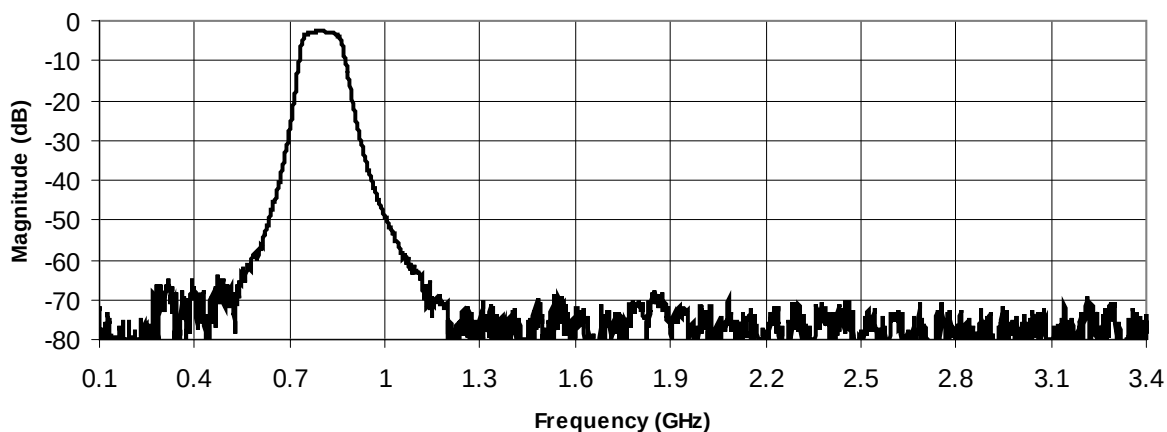


U.S. patent 6,099,677 and other patents pending.

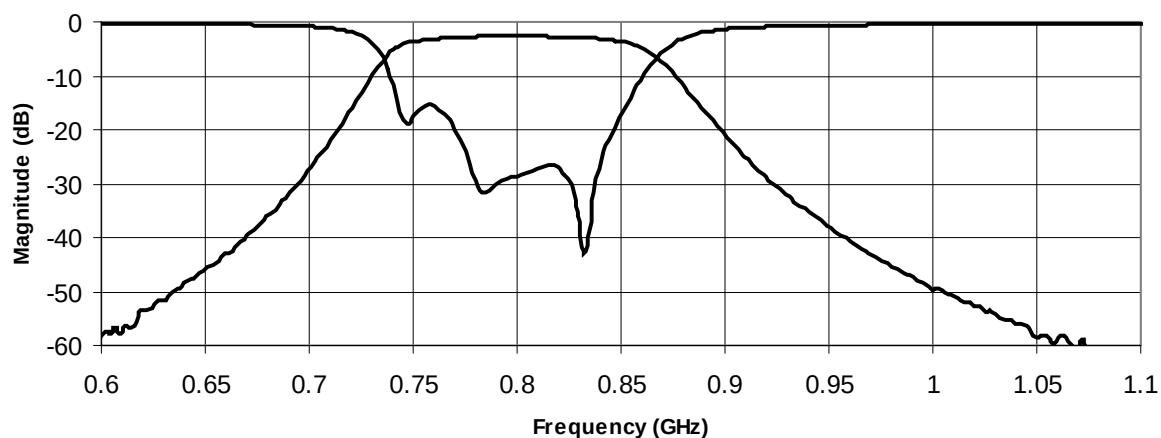
Merrimac Industries / 41 Fairfield Place, West Caldwell, NJ 07006
Tel: 1.888.434.MMFM / Fax: 973.882.5990 / Email: MMFM@merrimacind.com / www.Multi-Mix.com

TYPICAL PERFORMANCE

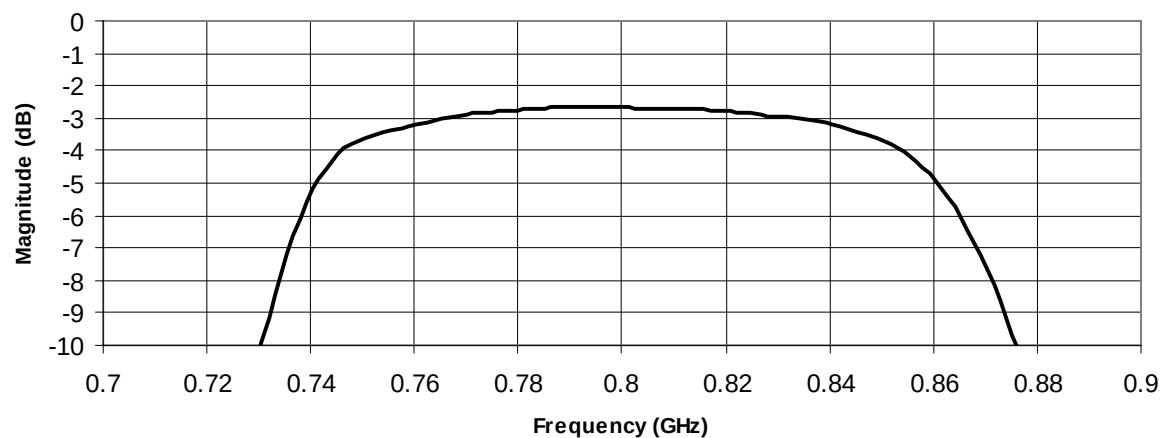
Transmission Vs. Frequency



Return Loss and Transmission Vs. Frequency



Near In Transmission Vs. Frequency



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