

TECHNICAL DESCRIPTION / APPLICATION

MULTI-MIX[®] FILTERS

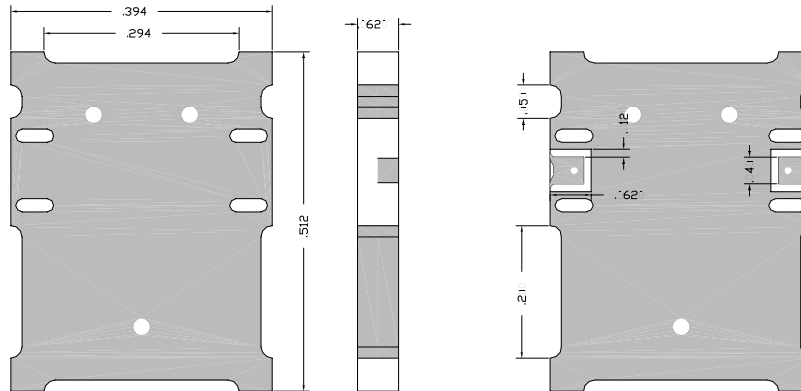
Merrimac's FBGI Series bandpass filters combine the features of Merrimac's patented Multi-Mix[®] multilayer fabrication technology with the ability to operate to three times their center frequency without reentrant spurious passbands. They typically offer better overall performance than filters designed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



GENERAL SPECIFICATIONS

FILTER TYPE	CENTER FREQUENCY	3 dB OPERATING BANDWIDTH (MHz MIN)	INSERTION LOSS @ CENTER FREQUENCY	REJECTION	VSWR
BANDPASS	2.2 GHz Nominal	400	1.0 dB (NOM) 2.0 dB (MAX)	-50 dB MIN. @ 1.3 GHz -50 dB MIN. @ 3.3 GHz	2.0:1 (MAX) @ 2.2 ± 0.1 GHz
SIZE (INCHES)		WEIGHT (GRAMS/OZ.)	RF INTERFACE/ CONNECTIONS	OPERATING TEMPERATURE	
0.512 x 0.394 x 0.100		0.9 / 0.03	SMT	-55° - +85° C	

PACKAGE OUTLINE



NOTES :

1. TOLERANCE ON THREE PLACE DECIMALS ± .010 EXCEPT AS NOTED .
2. ALL DIMENSIONED UNITS ARE IN INCHES .

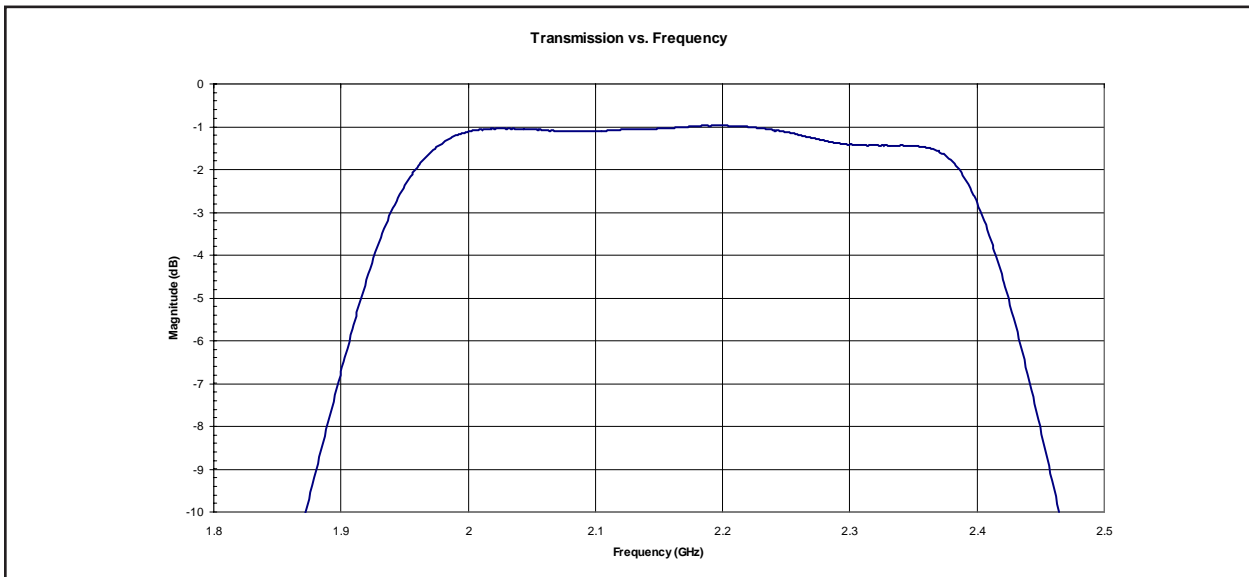
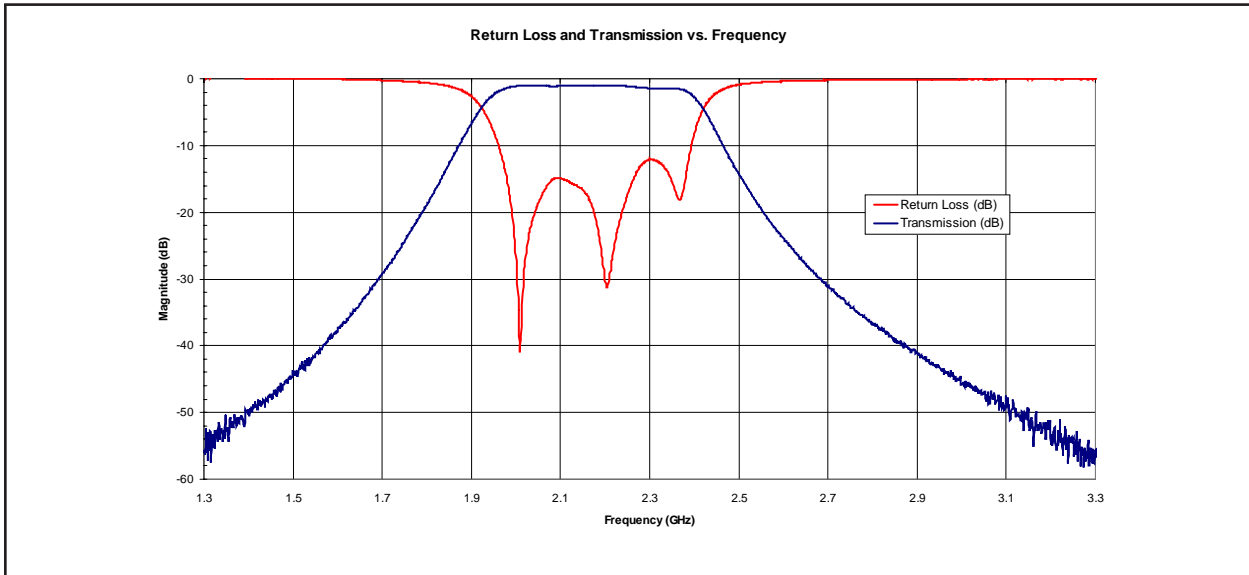
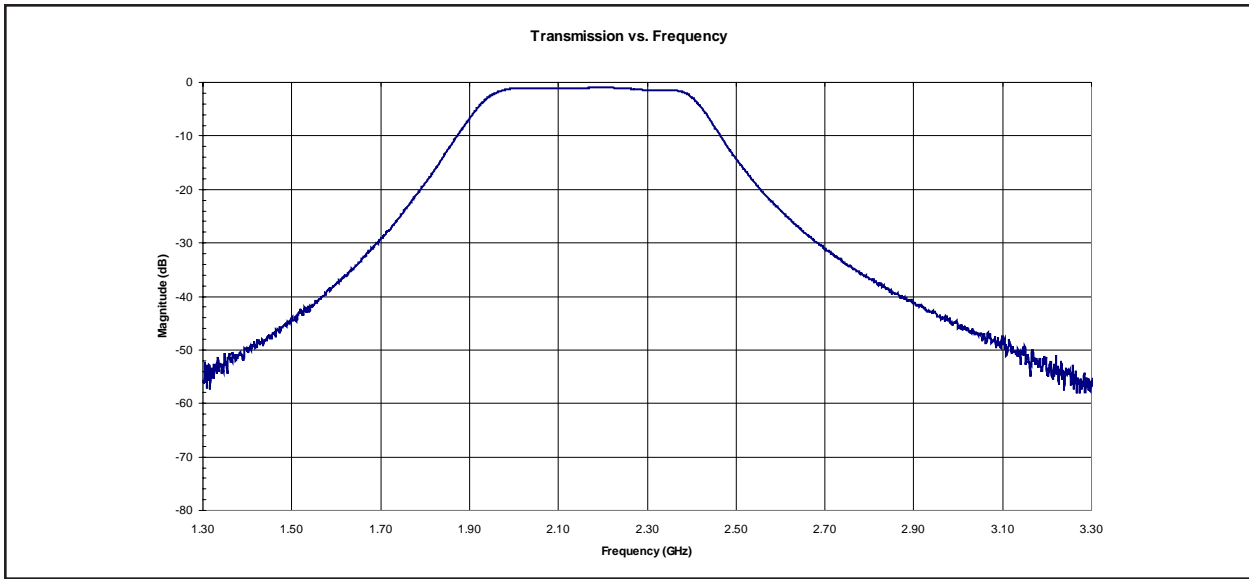
THE MULTI-MIX MICROTECHNOLOGY[®] GROUP IS ISO 9001:2000 REGISTERED



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

TYPICAL PERFORMANCE

FBGI-2.2G



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