

**TECHNICAL DESCRIPTION / APPLICATION**

**MULTI-MIX<sup>®</sup> FILTERS**

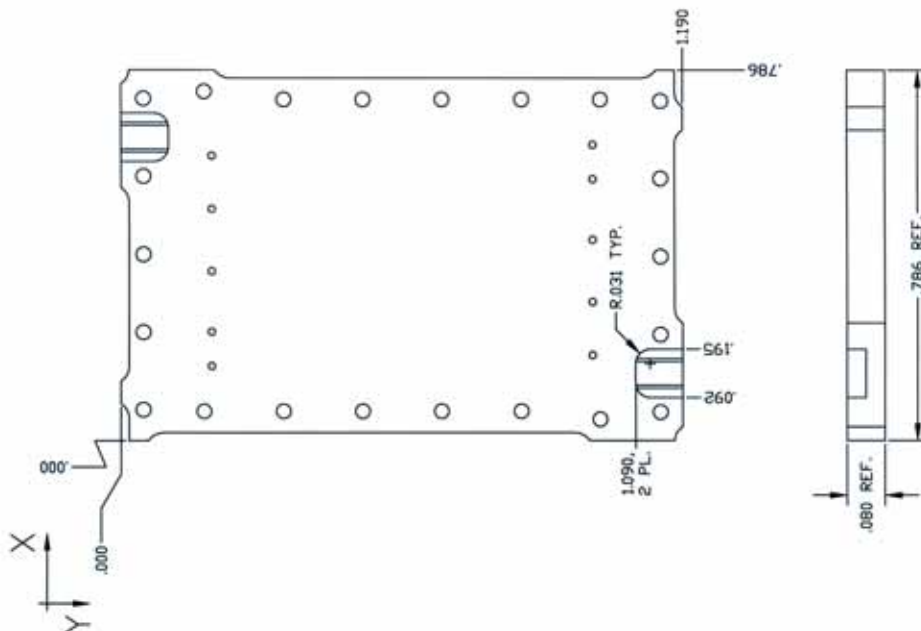
Merrimac's FBGI Series bandpass filters combine the features of Merrimac's patented Multi-Mix<sup>®</sup> multilayer fabrication technology with the ability to operate to three times their center frequency without reentrant spurious passbands. They typically offer better overall performance than filters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



**GENERAL SPECIFICATIONS**

FILTER TYPE	CENTER FREQUENCY	1 dB OPERATING BANDWIDTH	INSERTION LOSS @ CENTER FREQUENCY	REJECTION (dB MIN)	PASSBAND INPUT/OUTPUT VSWR
BANDPASS	2130 MHz. (NOM)	300 MHz (MIN.)	2 dB TYP 2.5 dB MAX	70 dB MIN @ 1650 MHz 70 dB MIN @ 2600 MHz	1.5:1 (TYP) 2.0:1 (MAX)
INPUT/OUTPUT IMPEDANCE (NOM)	POWER LEVEL	SIZE (INCHES)	RF INTERFACE/ CONNECTIONS	OPERATING TEMPERATURE	
50 Ohms	TBS	1.19 x 0.79 x 0.08	SMT or 50 Ohm, co-planar waveguide launch with gold pads	-55° - +95° C	

**PACKAGE OUTLINE**



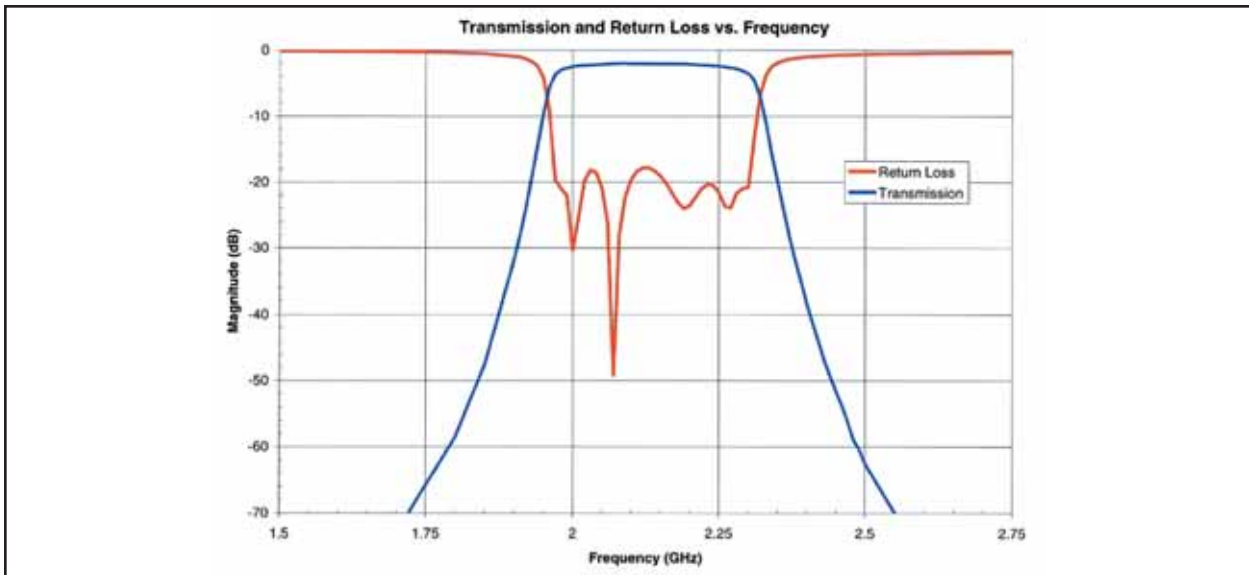
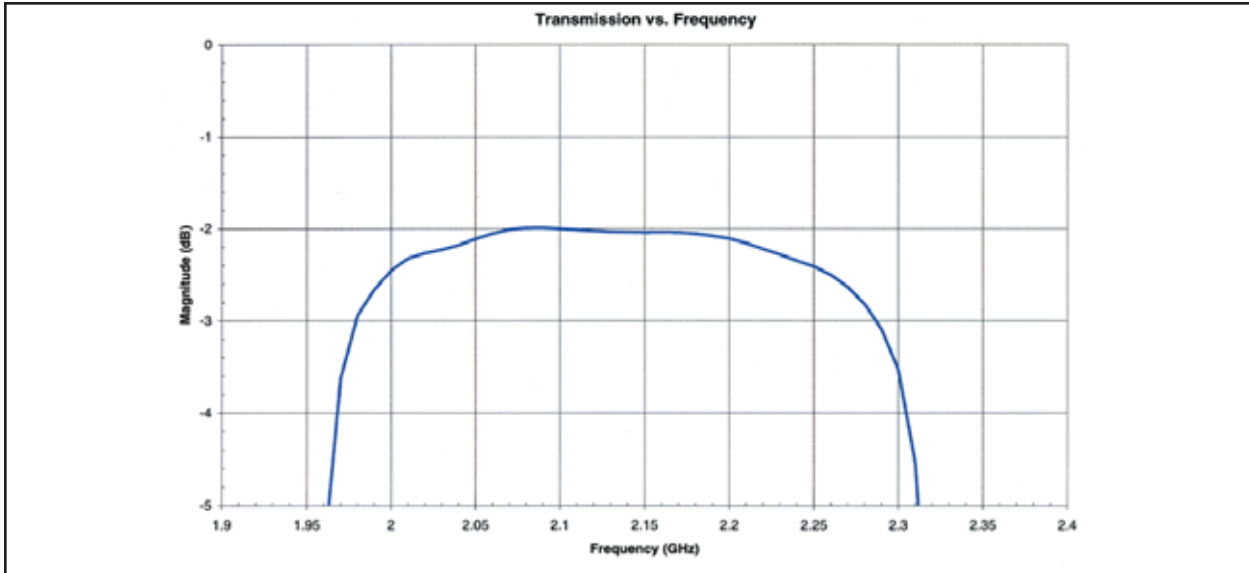
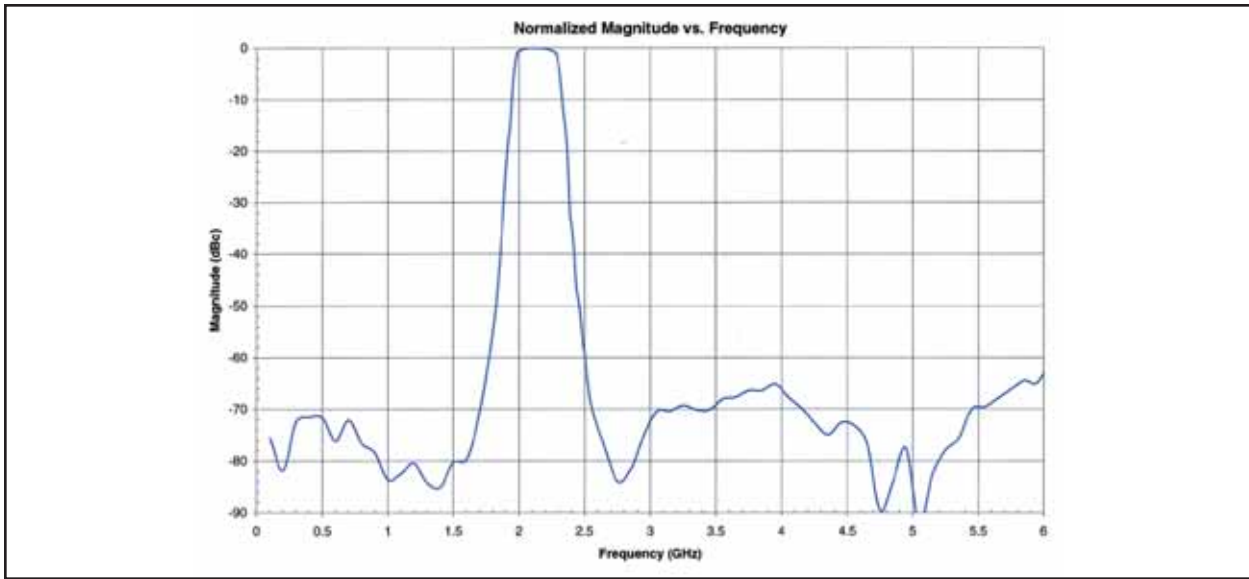
**THE MULTI-MIX MICROTECHNOLOGY<sup>®</sup> GROUP IS ISO 9001:2000 REGISTERED**



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

# TYPICAL PERFORMANCE

FBGI-2.13G



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