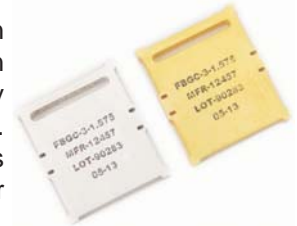


TECHNICAL DESCRIPTION / APPLICATION

MULTI-MIX[®] FILTERS

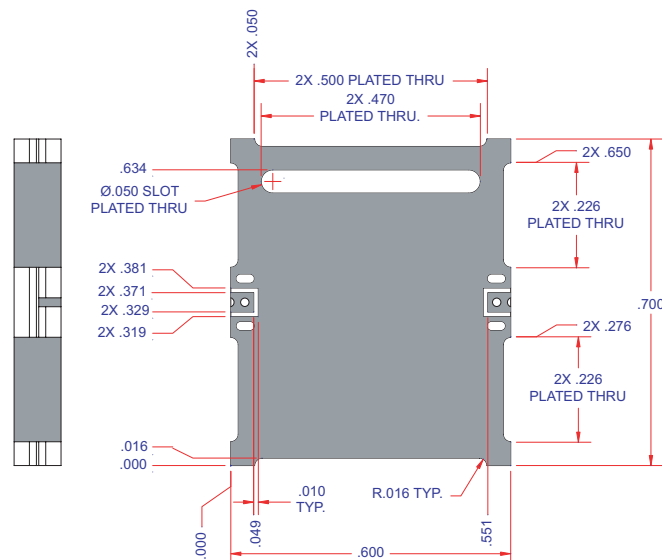
Merrimac's FGBC Series filters allow very wide stopband rejection to be achieved in very small enclosures without the appearance of reentrant spurious passbands. In addition, they require no tuning once incorporated in a circuit, making their already economical design even more cost-effective, especially in high-volume production. The FGBC Series filters incorporate all of the advantages provided by Merrimac's patented Multi-Mix[®] multilayer fabrication process, and are an excellent choice for applications in which size and weight are critical. Available in Ni/Au.



GENERAL SPECIFICATIONS

FILTER TYPE	CENTER FREQUENCY	3 dB OPERATING BANDWIDTH (MHz MIN)	INSERTION LOSS @ CENTER FREQUENCY (dB)	REJECTION	VSWR (MAX)
BANDPASS	1575 MHz Nominal	80	1.0 (NOM) 1.5 (MAX)	-45 dB MIN. @ 1.0 GHz -20 dB MIN. 1.35 GHz	1.5:1 @ 1575 ± 20 MHz
SIZE (INCHES)		WEIGHT (GRAMS/OZ.)	RF INTERFACE/ CONNECTIONS	OPERATING TEMPERATURE	
0.60 x 0.70 x 0.105		1.54 / 0.055	SMT	-55° - +85° C	

PACKAGE OUTLINE



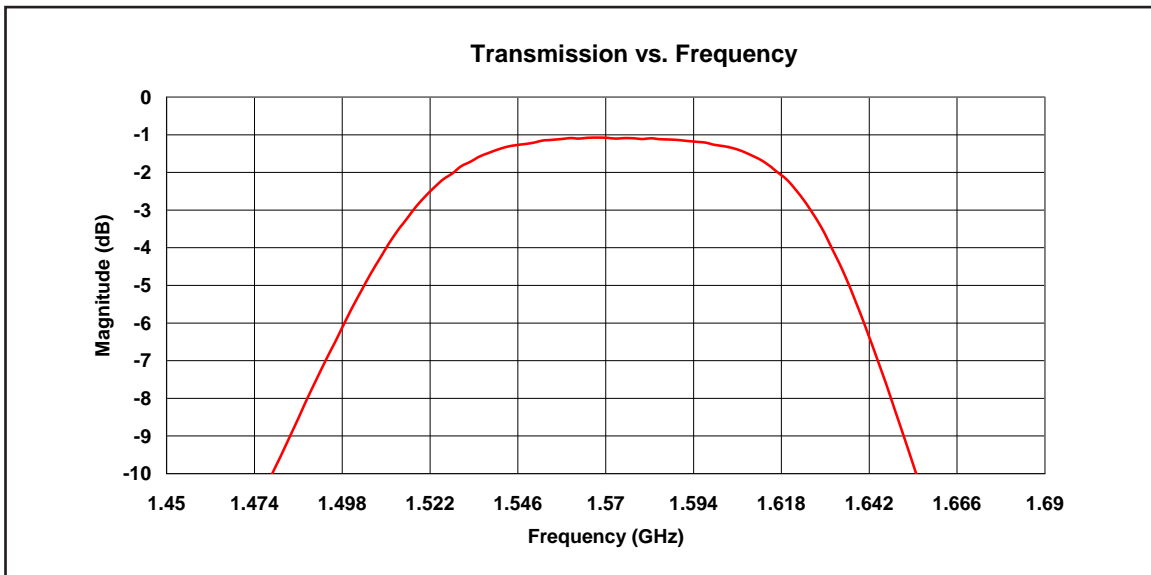
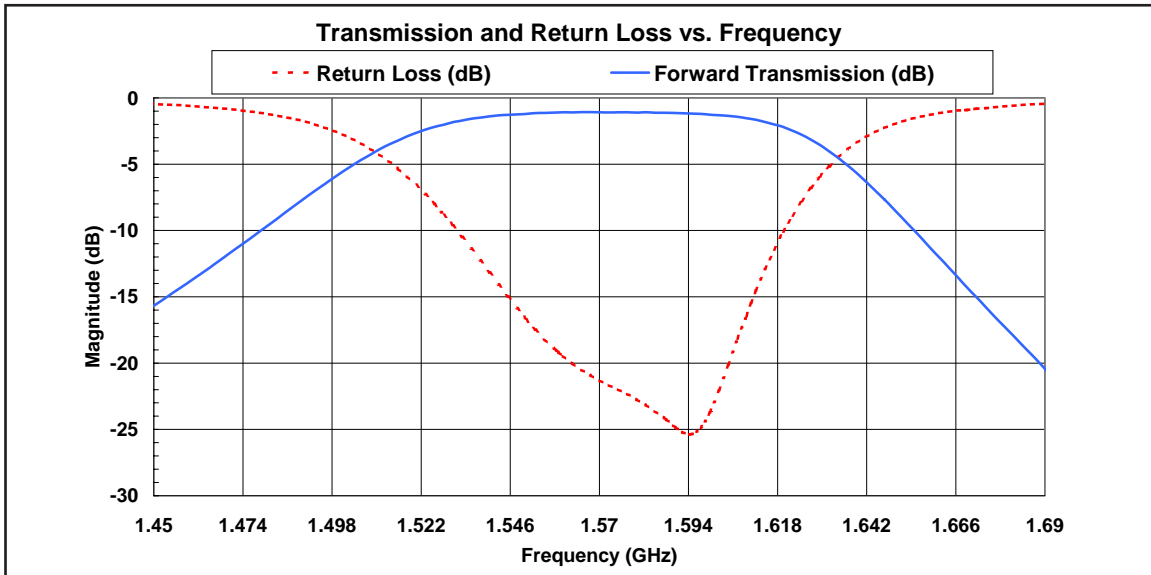
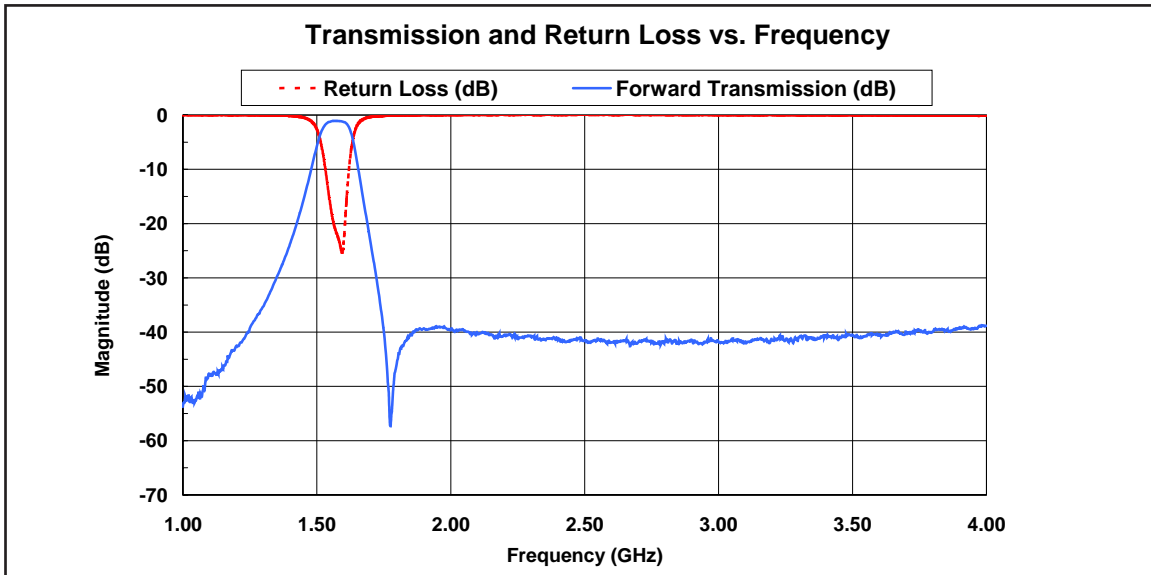
THE MULTI-MIX MICROTECHNOLOGY[®] GROUP IS ISO 9001:2000 REGISTERED



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

TYPICAL PERFORMANCE

FBGC-3-1.575G



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

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