

HIGHPASS FILTER

FH-4000

This general purpose high pass filter offers high stop band attenuation and low insertion loss in the passband. These filters can be used to eliminate unwanted side bands during up-conversion or for removing spurious interference and noise. Filters with customized frequency cutoff, usable passband and stopband rejection are available upon customer request. Contact the factory for more details.

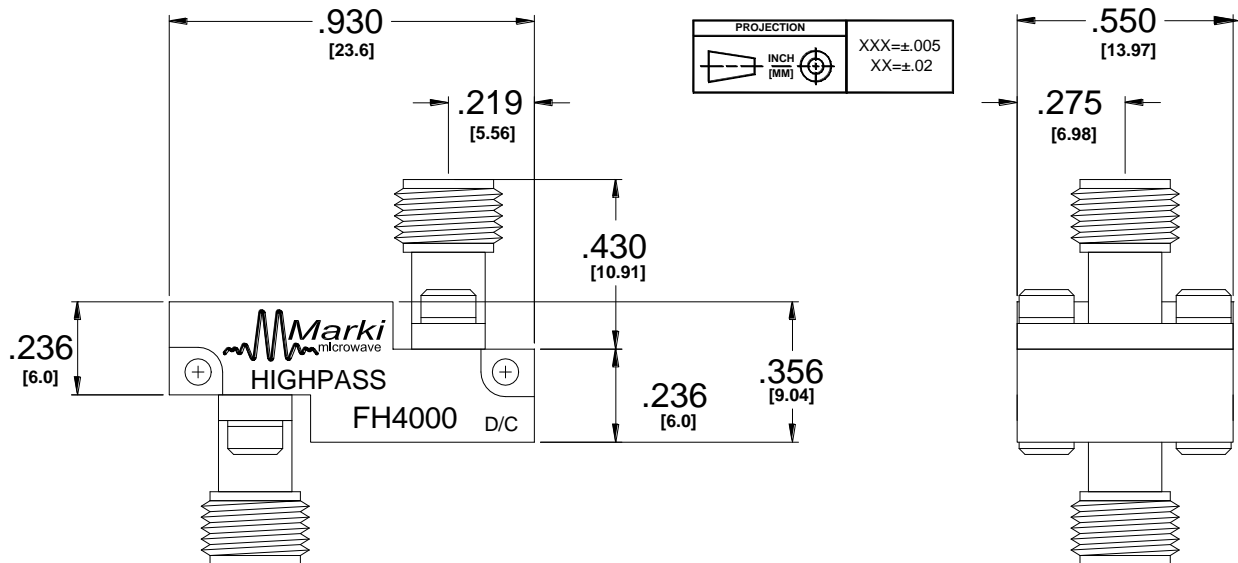
Features

- Compact Size
- Low Insertion Loss
- High Stop Band Attenuation
- User defined options available

Electrical Specifications – Specifications guaranteed from -55 to +100°C, measured in a 50Ω system.

Parameter	Frequency (GHz)	Min	Typ.	Max
Cutoff Frequency	40			
Passband Insertion Loss (dB)	40-50		1	3
Passband Return Loss (dB)	40-50	8		
Stopband Suppression (dB)	DC-33	45	50	
	36.6	25	30	
Impedance (Ω)			50	
RF Power (W)				1

*Higher rejection can be obtained at the expense of longer dimension.



Typical Performance

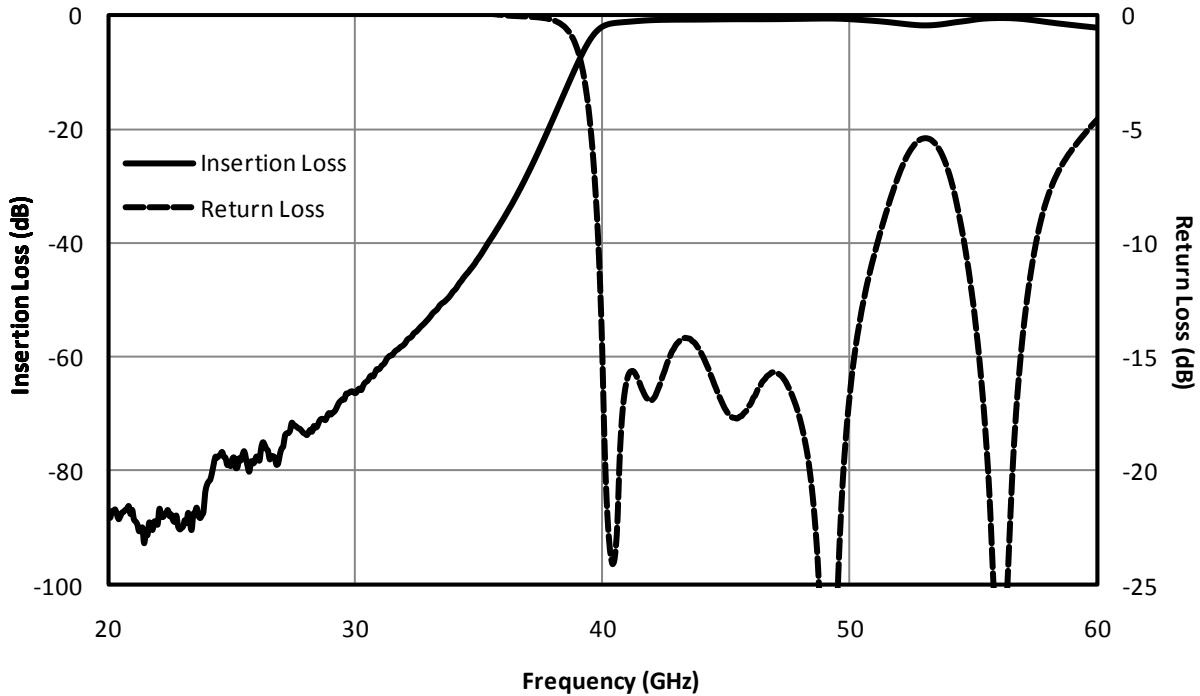


Fig. Magnitude response for a typical FH-4000 Filter.

Model Number ¹	Connector Options		Description
FH-4000 No dash (F-F)	Example: FH-4000-2V (2.40 M-F) -1 (F-M) -2 (M-F) -3 (M-M)	V (2.40)	Center Frequency 40 GHz, Highpass Filter with 2.4 mm Female connectors

¹Connectors are 2.4 mm Female by default.

NOTE:
Specifications are subject to change without notice. Contact Marki Microwave for the most recent specifications and data sheets.

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