

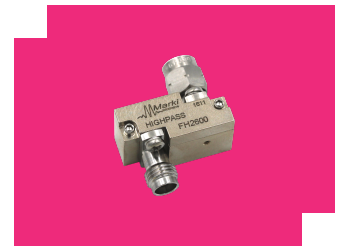
FH-2600

26 GHz Highpass Filter

DEVICE OVERVIEW

General Description

This general purpose high pass filter offers high stop band suppression 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.



[Download s-parameters here](#)

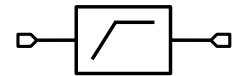
Features

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

Applications

- Test and Measurement Equipment
- SATCOM
- Radar
- RF Transceivers

Functional Block Diagram



Part Ordering Options

Part Number	Description	Connectors	Green Status	Product Lifecycle	Export Classification
FH-2600	26 GHz Highpass Filter	<u>Standard</u>	REACH RoHS	Released	EAR99

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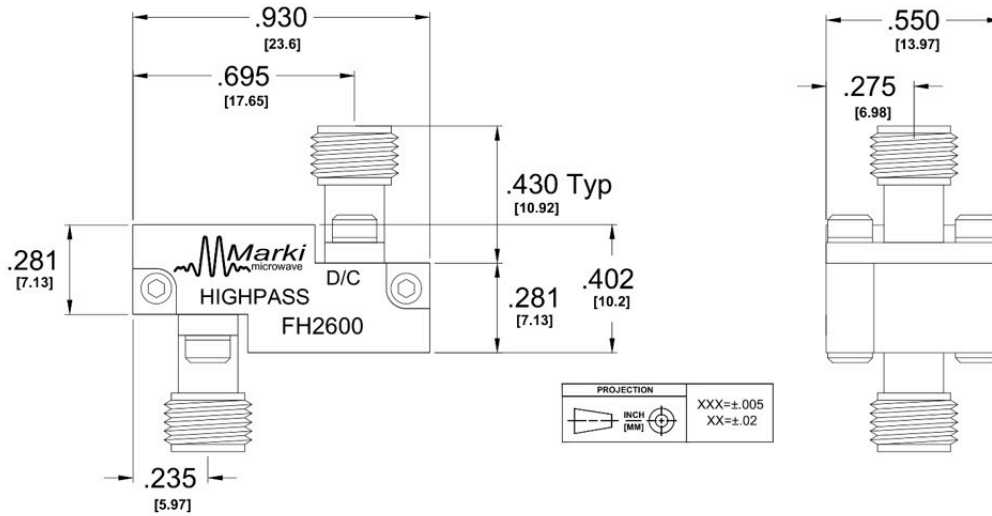
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Revision History

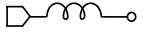
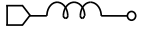
Revision Code	Revision Date	Comment
-	2023-05-27	Datasheet Initial Release

Port Configuration and Functions

Port Diagram



Port Functions

Port	Function	Connector Type	Description	DC Equivalent Circuit
Port 1	Input/Output	2.4F	Port 1 is DC open to Port 2 and GND. GND is provided through the case and RF connectors.	
Port 2	Input/Output	2.4F	Port 2 is DC open to Port 1 and GND. GND is provided through the case and RF connectors.	

Specifications

Package Information

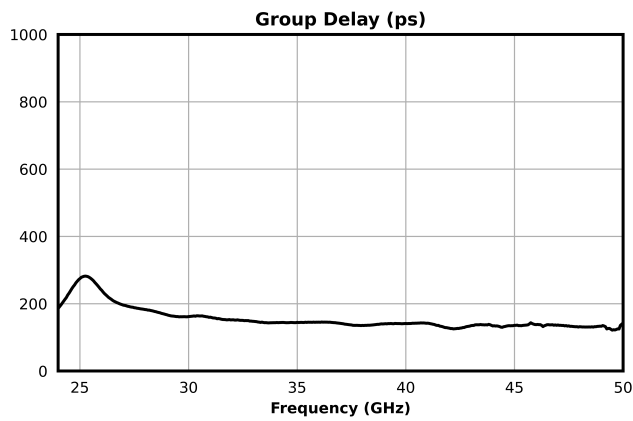
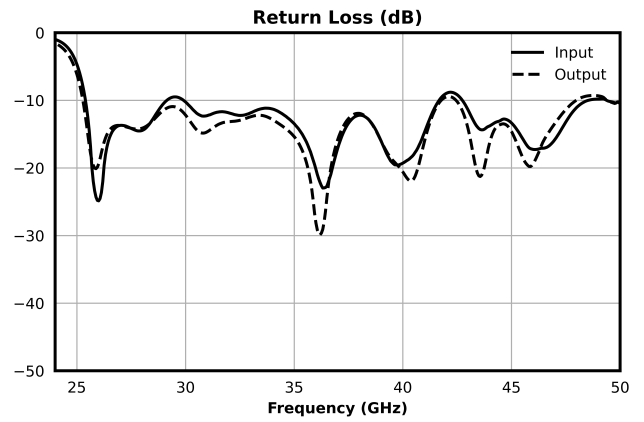
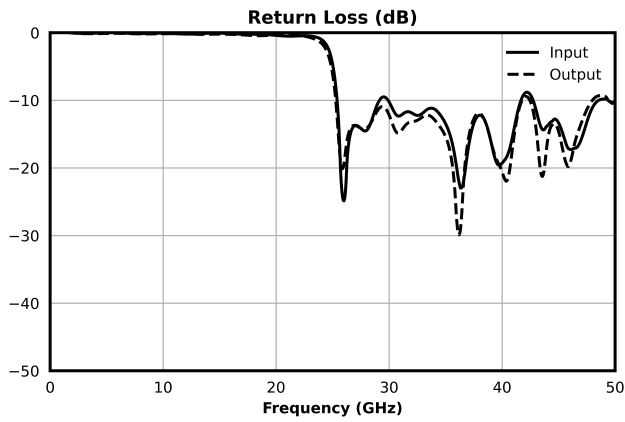
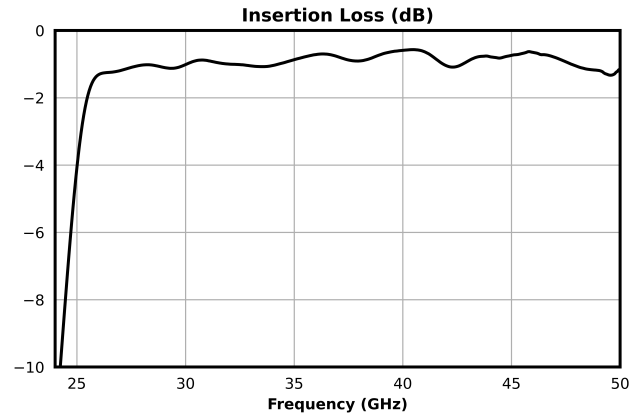
Parameter	Details	Rating
Dimensions	-	23.6 x 10.2 mm

Electrical Specifications

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

Parameter	Test Conditions	Minimum Frequency (GHz)	Maximum Frequency (GHz)	Min	Typ	Max	Unit
1 dBc Passband	Configuration A, Temp = 25°C	25.75	-	-	-	-	GHz
30 dBc Rejection Point	Configuration A, Temp = 25°C	21.44	-	-	-	-	GHz
3 dBc Passband	Configuration A, Temp = 25°C	25.13	-	-	-	-	GHz
Center Freq	Configuration A, Temp = 25°C	-	-	-	37.88	-	GHz
Group Delay	Configuration A, Temp = 25°C	-	-	-	141	-	ps
Insertion Loss @ fc	Configuration A, Temp = 25°C	-	-	-	0.9	-	dB
Passband Return Loss	Configuration A, Temp = 25°C	-	-	-	14	-	dB

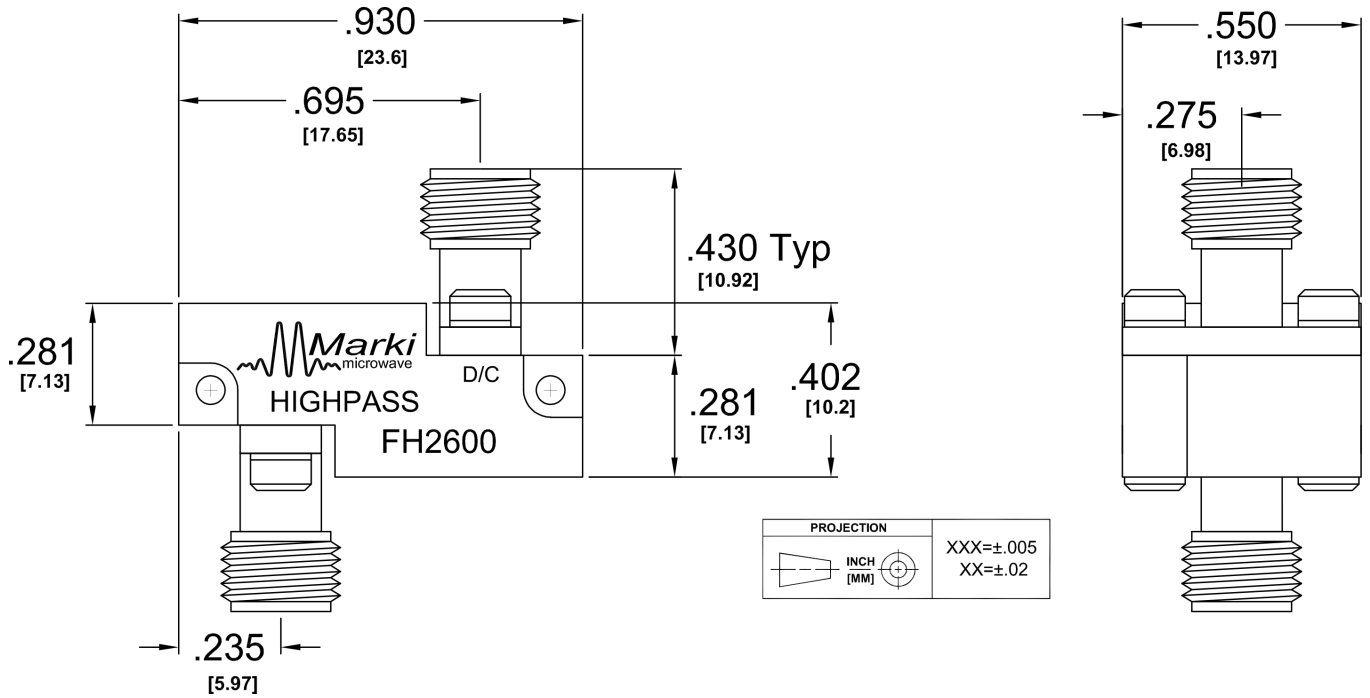
Typical Performance Plot



Mechanical Data

Outline Drawing

Download : [Outline 2D Drawing](#) | [Outline 3D Drawing](#) | [Outline 3D STP](#)



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