

TYPICAL CHARACTERISTICS  
ON  
BPF-3096G-65M-SFF

PMI MODEL NO. BPF-3096G-65M-SFF IS A BAND PASS FILTER. THE VSWR IS 1.4:1 MAXIMUM AND THIS UNIT IS OUTFITTED WITH SMA FEMALE CONNECTORS.



Reported By  
M. Laulis  
4/16/2024

**TYPICAL CHARACTERISTICS  
ON  
BPF-3096G-65M-SFF  
PRODUCT FEATURE**

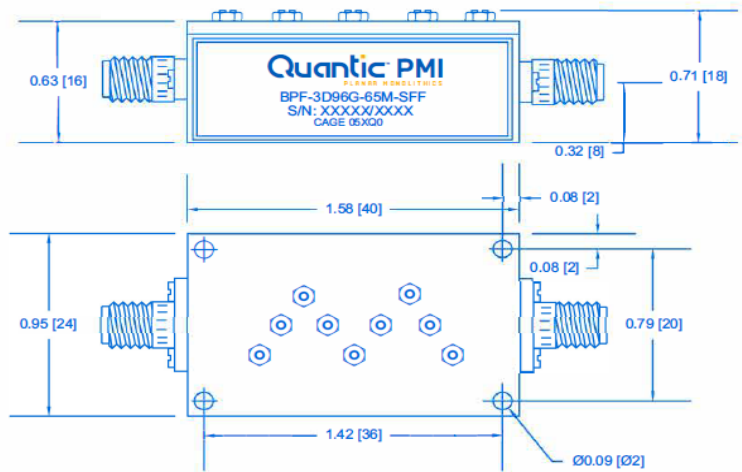
**DESCRIPTION**

PMI MODEL NO. BPF-3D96G-65M-SFF IS A BAND PASS FILTER. THE VSWR IS 1.4:1 MAXIMUM AND THIS UNIT IS OUTFITTED WITH SMA FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	02/20/24	

**SPECIFICATIONS**

- PASSBAND FREQUENCY: 3927.5 TO 3992.5 MHz
- CENTER FREQUENCY: 3960 MHz
- INSERTION LOSS: 1.4 dB MAX
- VSWR: 1.4:1 MAX
- REJECTION @ DC-3840 MHz: 40 dB MIN
- INPUT POWER: 20 W MIN
- CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE



PMI CONFIDENTIAL AND PROPRIETARY

**ENVIRONMENTAL RATINGS**

- TEMPERATURE: -45 °C TO +70 °C (OPERATING)  
-50 °C TO +90 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

7309-A GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: (301)-662-5019, FAX: (301)-662-1731  
WEB: www.quanticipmi.com  
EMAIL: sales@quanticipmi.com  
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>MDE</i>		02/20/24	OUTLINE BPF-3D96G-65M-SFF			A1
RE-DRAWN			SIZE A	FORM NO. 05XQ0	DWG NO. 27048260	
ISSUED			SCALE N:S		SHEET 1 OF 1	



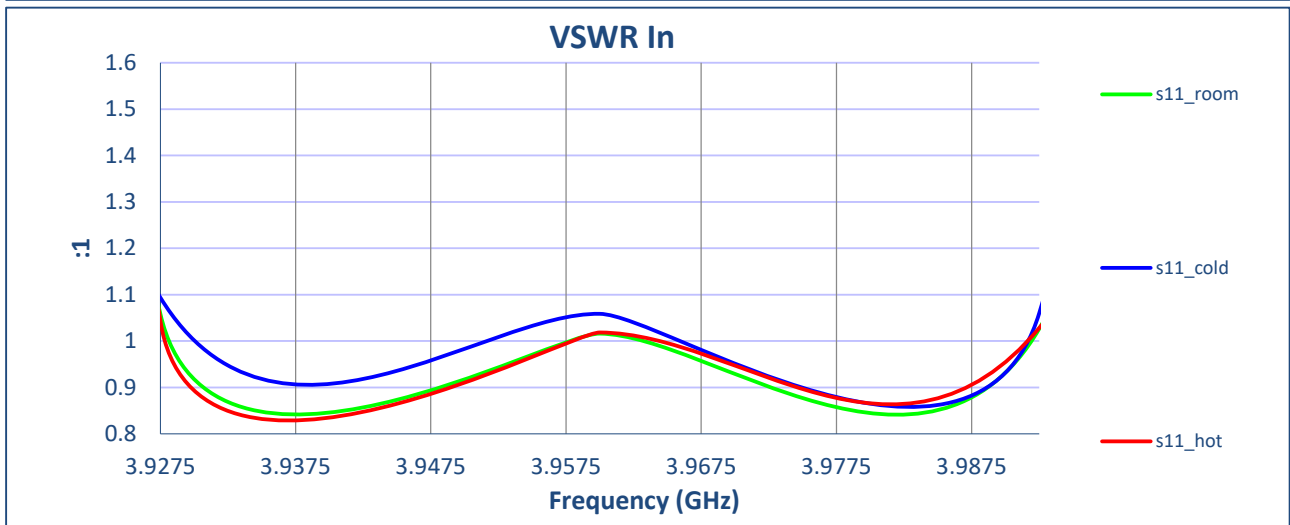
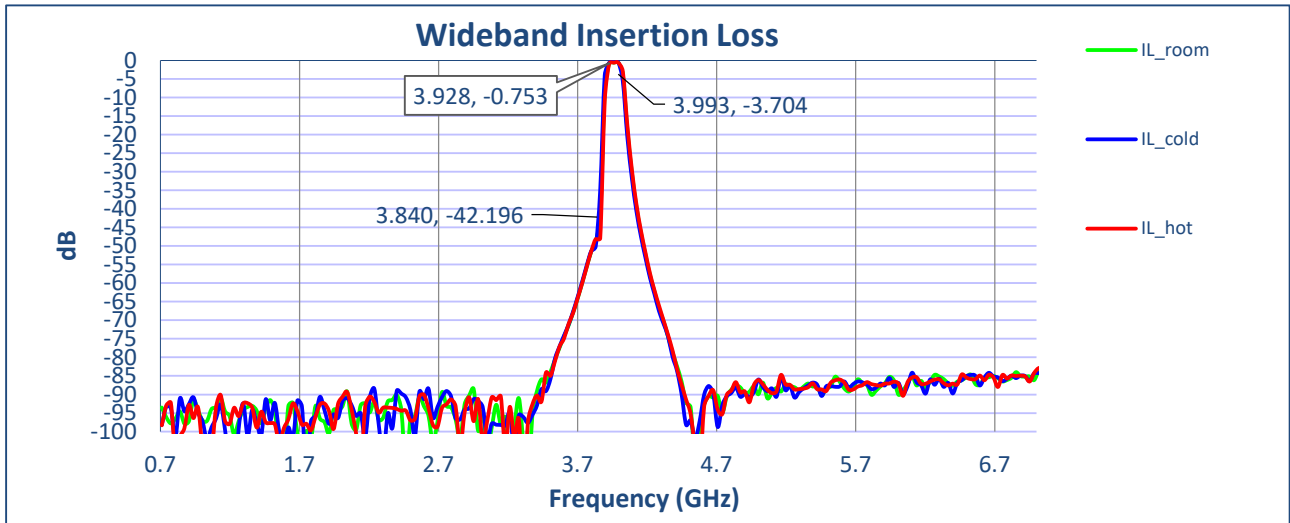
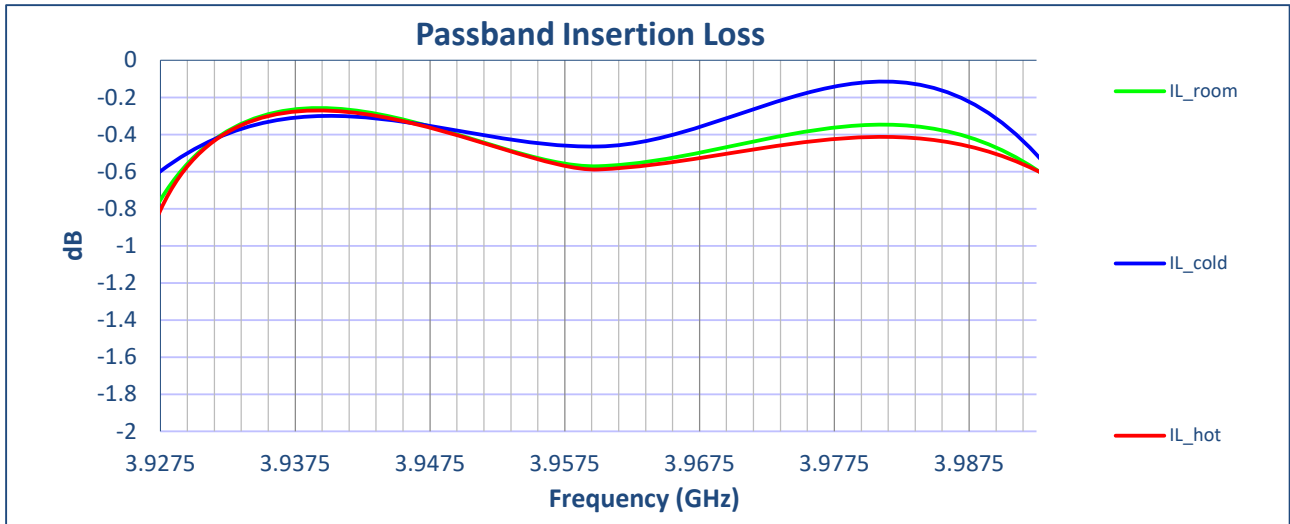
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**TEST DATA**

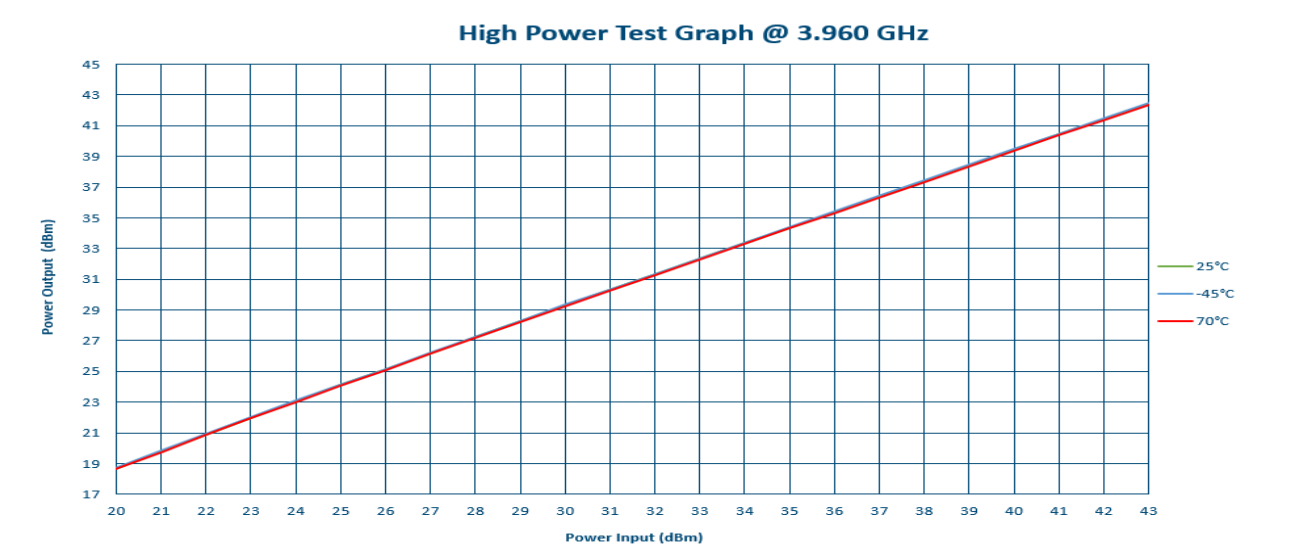
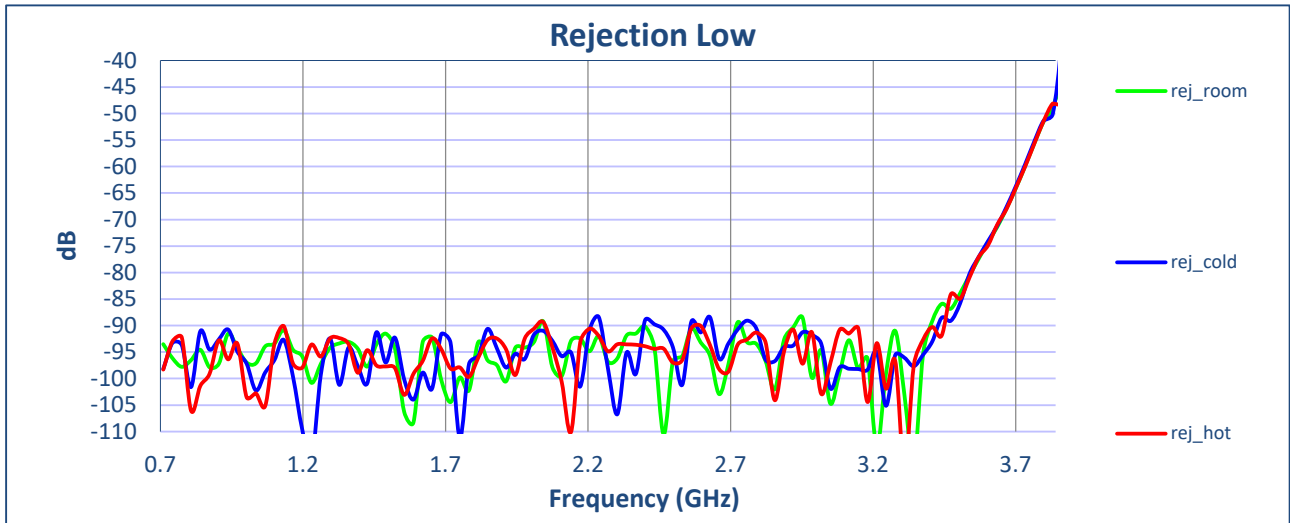
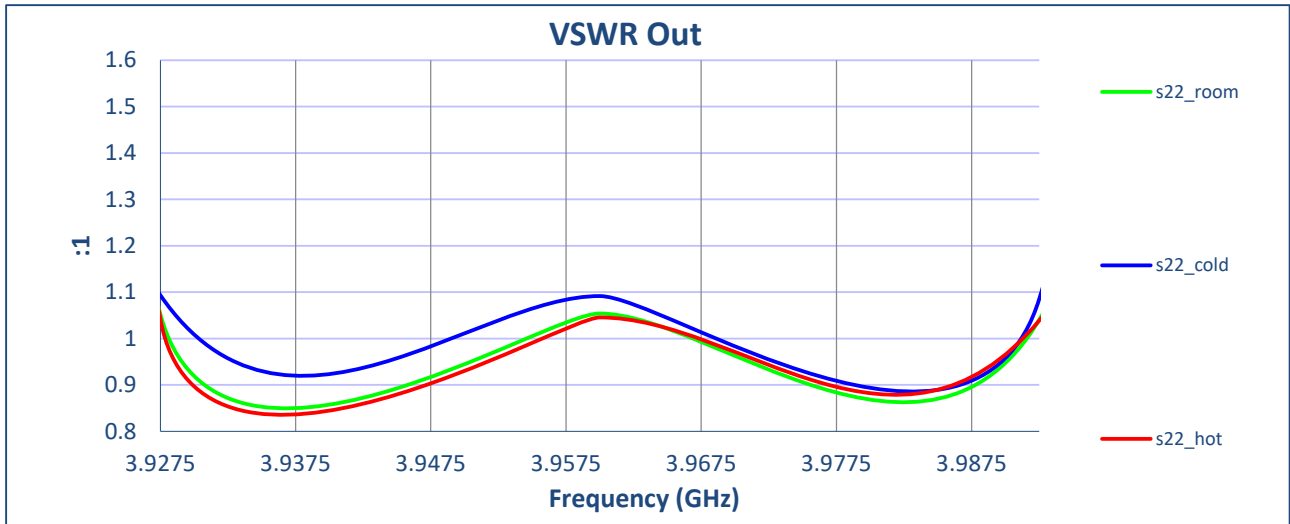
TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-45°C	70°C
1	Passband Frequency Range	3.9275 GHz to 3.9925 GHz	<b>3.9275 GHz to 3.9925 GHz</b>	<b>3.9275 GHz to 3.9925 GHz</b>	<b>3.9275 GHz to 3.9925 GHz</b>
2	Insertion Loss	1.4 dB Max.	<b>0.8 dB</b>	<b>0.6 dB</b>	<b>0.8 dB</b>
3	VSWR	1.4 dB Max.	<b>1.1:1</b>	<b>1.05:1</b>	<b>1.06:1</b>
4	Center Frequency	3.96 GHz	<b>3.96 GHz</b>		
5	Rejection	40 dBc Min., DC to 3.8 GHz	<b>50 dBc</b>	<b>45 dBc</b>	<b>48 dBc</b>
6	Input Power	20 Watts MAX	<b>20 W</b>	<b>20 W</b>	<b>20 W</b>

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: sales@quanticpmi.com

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