

**TYPICAL CHARACTERISTICS
ON
BPF-2G750M-4G750M-SFF**

THE MODEL BPF-2G750M-4G750MSFF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 3.75 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 2.5 dB AND A MAXIMUM VSWR OF 1.8:1. THIS MODEL IS OUTFITTED WITH SMA CONNECTORS.



**Reported By
M Laulis
6/28/2023**

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PRODUCT FEATURE

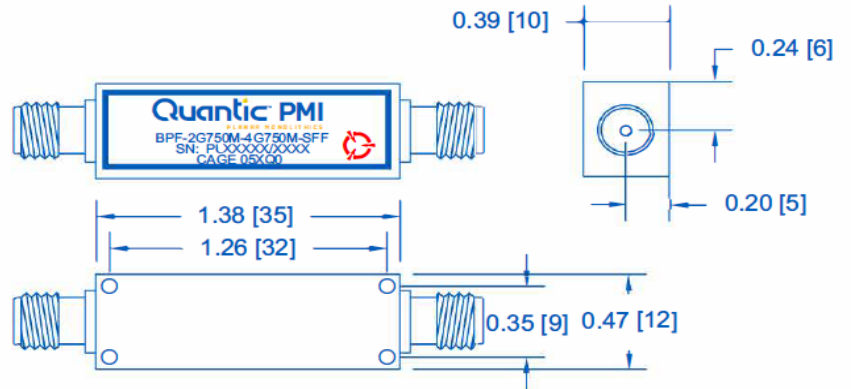
DESCRIPTION

THE MODEL BPF-2G750M-4G750MSFF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 3.75 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 2.5 dB AND A MAXIMUM VSWR OF 1.8:1. THIS MODEL IS OUTFITTED WITH SMA CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/31/24	

SPECIFICATIONS

- FREQUENCY RANGE(3dB BANDWIDTH):—2.75 TO 4.75 GHz
- PASSBAND INSERTION LOSS: ————— 2.5 dB MAX
- PASS BAND RIPPLE: ————— 2 dB MAX
- VSWR: ————— 1.8:1 MAX
- REJECTION @ 2.4 GHz: ————— 55 dBc MIN
- REJECTION @ 2.5 GHz: ————— 20 dBc MIN
- REJECTION @ 5.05 GHz: ————— 55 dBc MIN
- INPUT POWER: ————— 1 WATT MAX
- CONNECTORS: ————— SMA FEMALE
- FINISH: ————— PAINTED BLUE



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: ————— -40°C TO +85°C (OPERATING)
— -65°C TO +125°C (STORAGE)
- HUMIDITY: ————— MIL-STD-202F, METHOD 103B COND. B
- SHOCK: ————— MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: ————— MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: ————— MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: ————— MIL-STD-202F, METHOD 107D COND. A

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>MJD</i>		05/31/24	OUTLINE		
REDRAWN			BPF-2G750M-4G750M-SFF		
ISSUED			SIZE: A	FROM NO.: 05XQ0	DWG NO.: 27048860
			SCALE: N:S		SHEET: 1 OF 1

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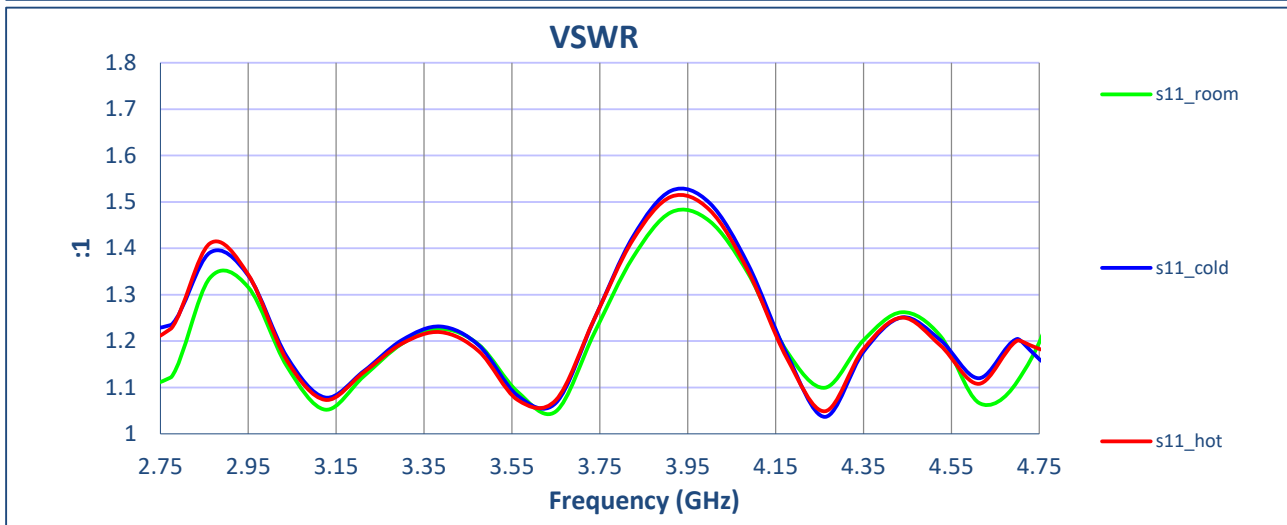
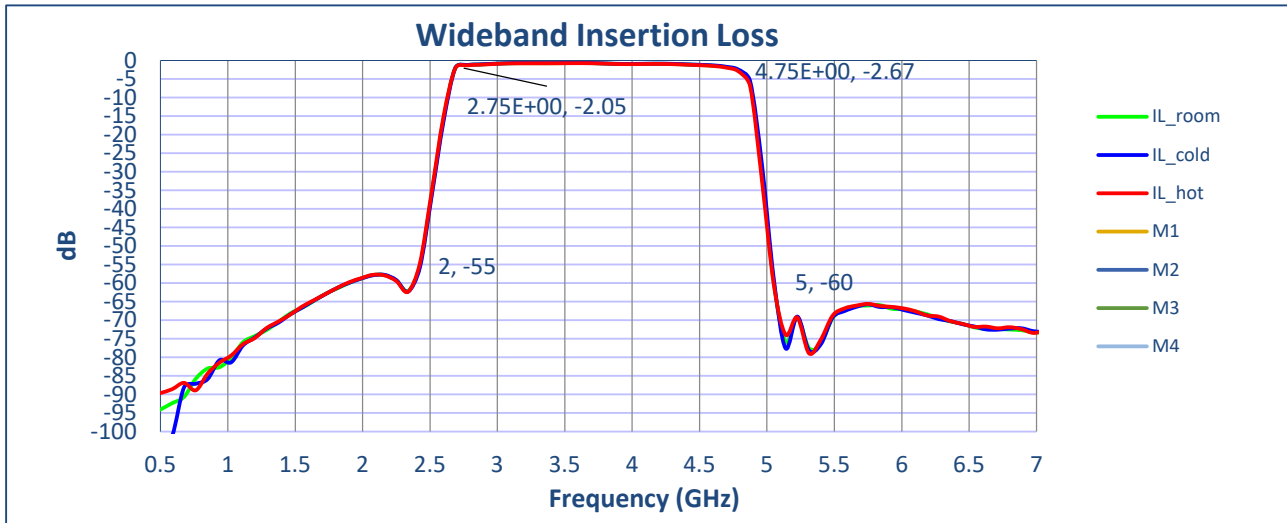
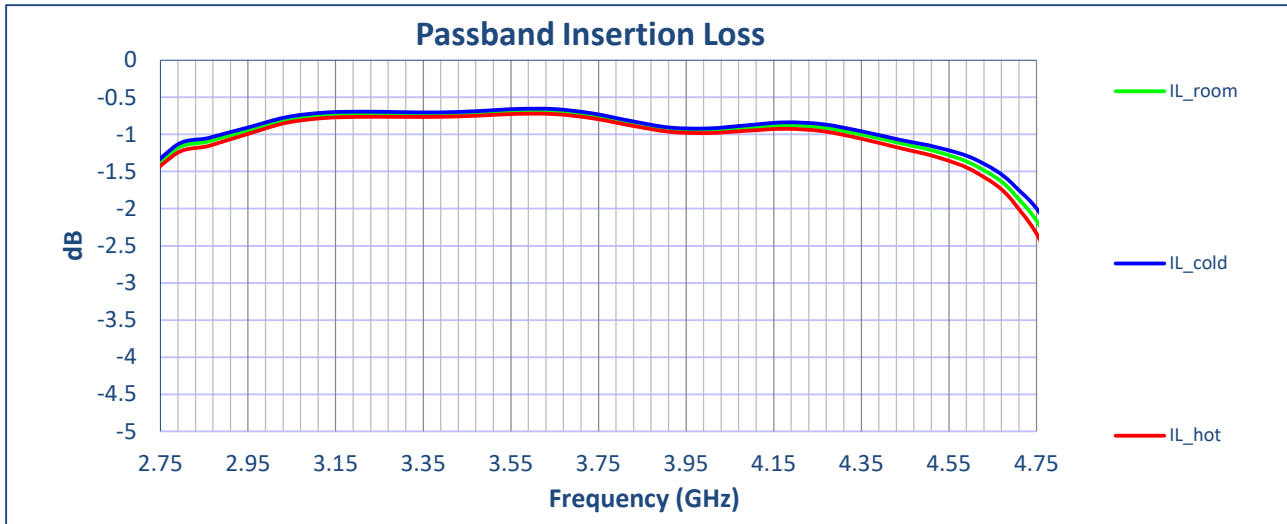


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TEST DATA

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-40°C	85°C
1	Passband Frequency Range	2.75 GHz to 4.75 GHz	2.75 GHz to 4.75 GHz	2.75 GHz to 4.75 GHz	2.75 GHz to 4.75 GHz
2	Insertion Loss	2.5 dB Max.	1.81 dB	1.69 dB	1.93 dB
3	VSWR	1.8:1 dB Max.	1.51:1	1.51:1	1.51:1
4	Rejection	55 dBc Min., @ 2.4 GHz 20 dBc Min., @ 2.5 GHz 55 dBc Min., @ 6.5 GHz	62.11 dBc 35.97 dBc 59.63 dBc	57.77 dBc 36.54 dBc 71.67 dBc	57.76 dBc 35.37 dBc 71.79 dBc
5	Passband Ripple	±1.75 dB Max.	±1.42 dB	±1.24 dB	±1.6 dB

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