

TYPICAL CHARACTERISTICS ON BPF-2697D5M2902D5M-SFF

PMI MODEL: BPF-2697D5M2902D5M-SFF IS A BANDPASS FILTER WITH SMA FEMALE CONNECTORS



09/09/26

Designed by:
Engineering PMI

Tested By:
OLIVER K

Reported By:
Irada Cossio

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PRODUCT FEATURE

DESCRIPTION:

PMI MODEL: BPF-2697D5M2902D5M-SFF IS A BANDPASS FILTER WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS:

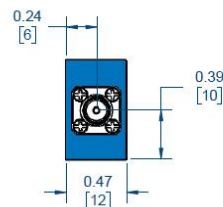
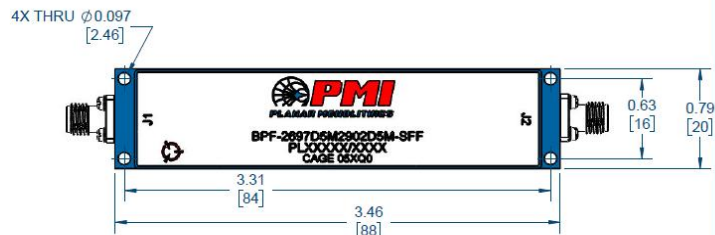
- PASSBAND FREQUENCY:..... 2697.5 MHz TO 2902.5 MHz
- INSERTION LOSS:..... 3 dB MAX
- PASSBAND RIPPLE:..... 0.5 dB MAX
- VSWR:..... 1.6:1 MAX
- REJECTION:..... 45 dB MIN @ 437.5 TO 2465 MHz
45 dB MIN @ 3240 TO 3340 MHz
70 dB MIN @ 3677.5 TO 17242.5 MHz
- INPUT POWER:..... 5 W CW MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +70°C (OPERATING)
- HUMIDITY:..... MIL-STD-202, METHOD 103 COND. B
- SHOCK:..... MIL-STD-202, METHOD 213 COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204 COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107 COND. A

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REV	DESCRIPTION	DATE	APPROVED
A1	ORIGINAL RELEASE	5/14/2028	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
DRAWN	IC	5/14/2028	OUTLINE	
DESIGNED			BPF-2697D5M2902D5M-SFF	
TESTED			MIL: PERM NO: 27056120	
REVISION			B 055000	
SCALE		2:1	SHEET 1 OF 1	

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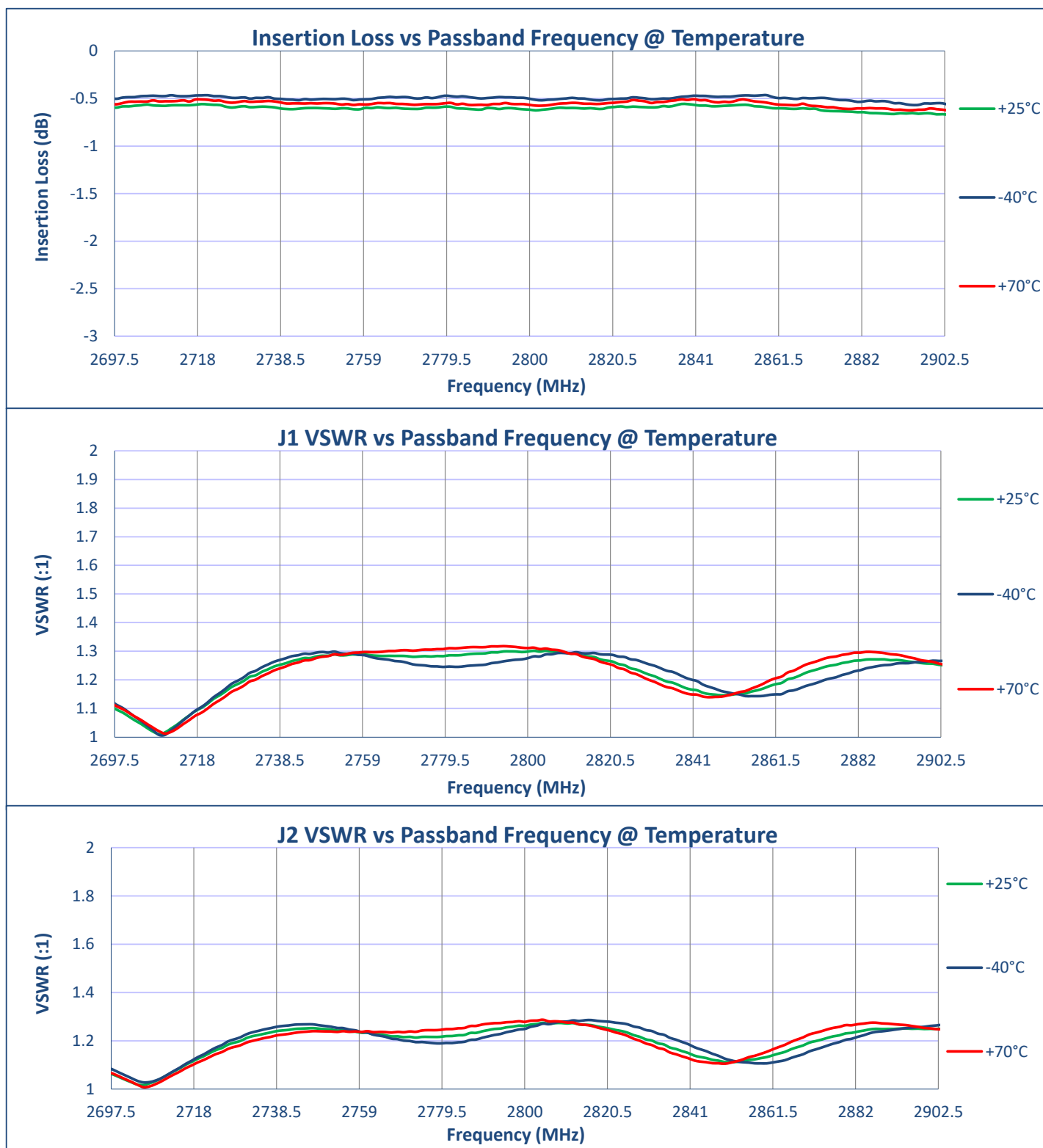
Technical Specifications

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			-40°C	+25°C	+70°C
1	Passband Frequency	2697.5 to 2902.5 MHz	2697.5 to 2902.5 MHz		
2	Insertion Loss	3 dB Max.	0.57 dB	0.67 dB	0.62 dB
3	Passband Ripple	0.5 dB Max.	0.1 dB	0.11 dB	0.12 dB
4	VSWR	1.6:1 Max.	1.3:1	1.3:1	1.3:1
5	Rejection @ 437.5 to 2465 MHz	45 dB Min.	48.7 dB	48.5 dB	48.5 dB
7	Rejection @ 3240 to 3340 MHz	45 dB Min.	72.6 dB	72.8 dB	72.9 dB
8	Rejection @ 3677.5 to 17242.5 MHz	70 dB Min.	70.2 dB	70.8 dB	70.1 dB
9	Input Power	5 W CW Max.	5 W CW		

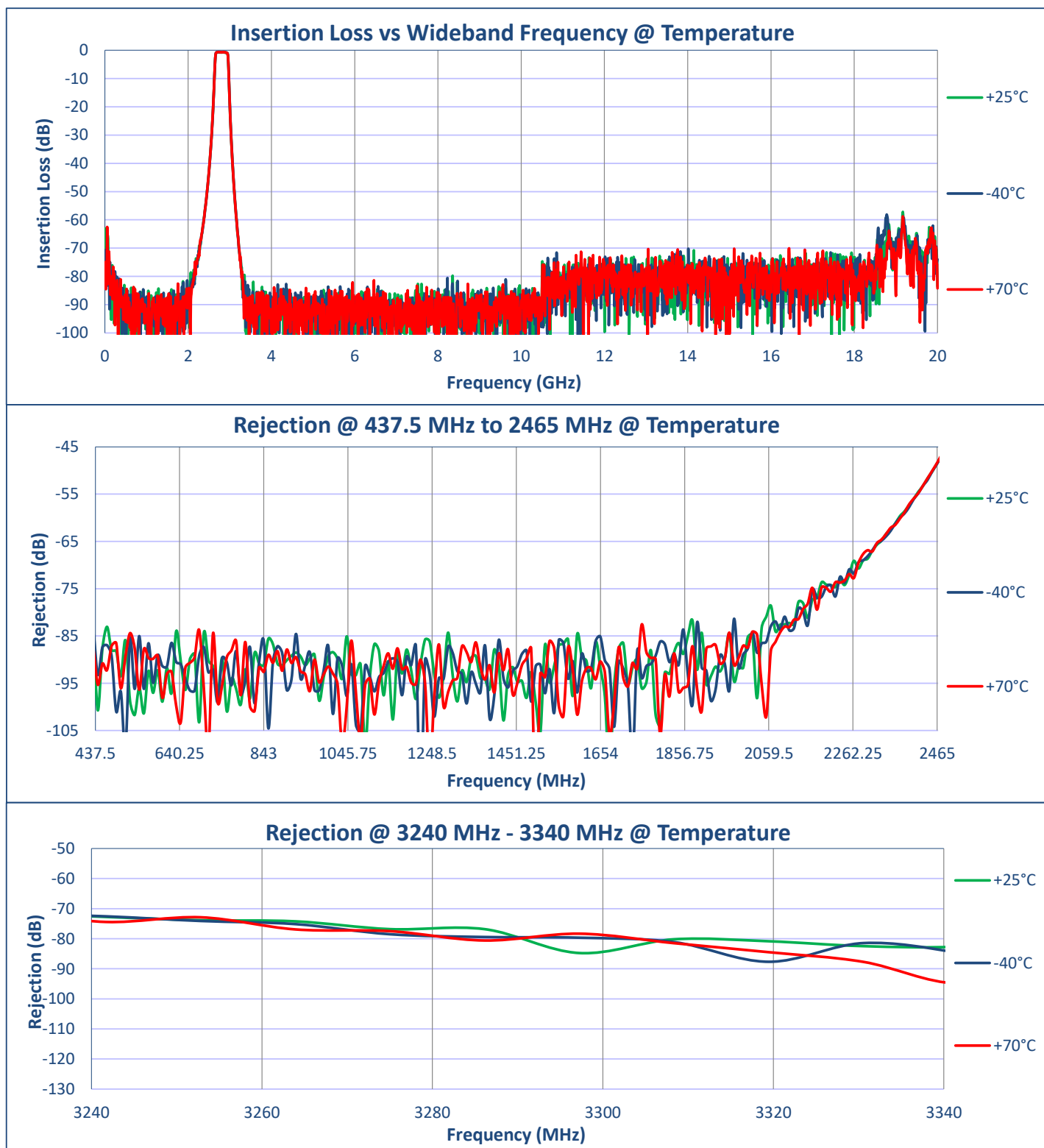
TYPICAL CHARACTERISTICS

ON

BPF-2697D5M2902D5M-SFF

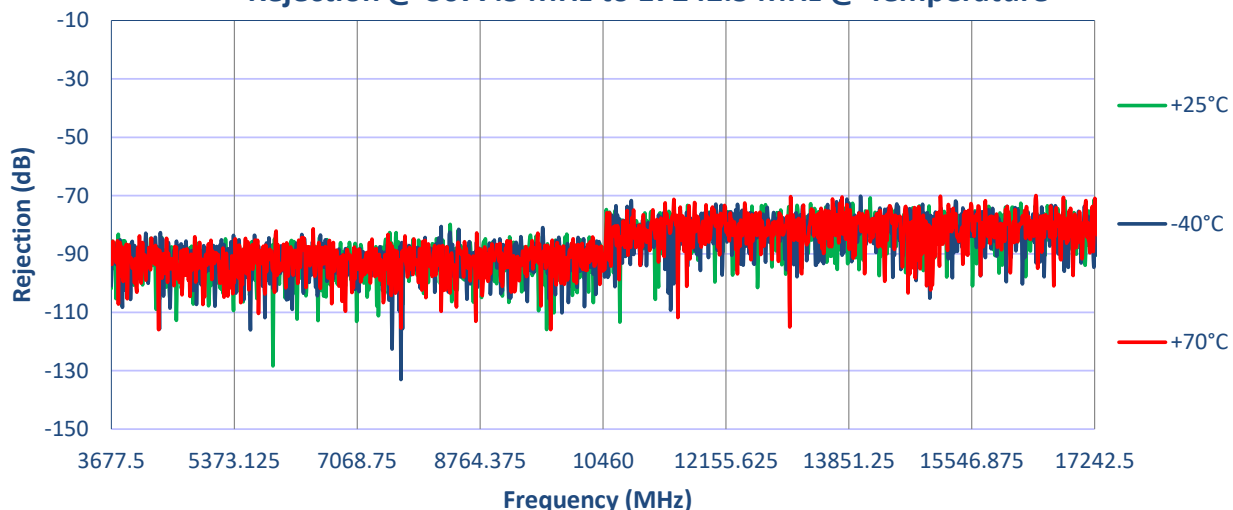


TYPICAL CHARACTERISTICS ON BPF-2697D5M2902D5M-SFF

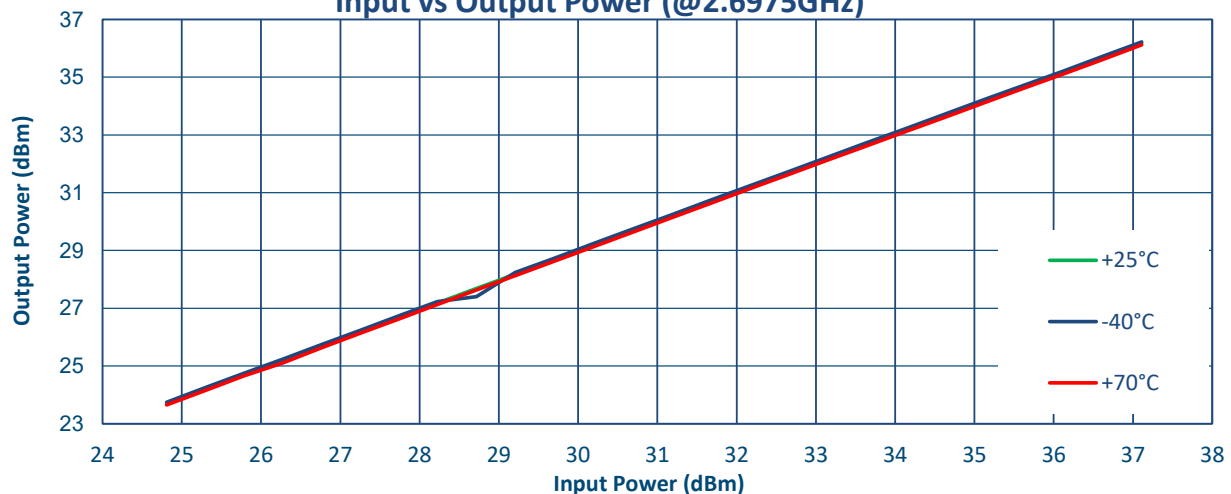


TYPICAL CHARACTERISTICS ON BPF-2697D5M2902D5M-SFF

Rejection @ 3677.5 MHz to 17242.5 MHz @ Temperature



Input vs Output Power (@2.6975GHz)



Input vs Output Power (@2.9025GHz)

