



**TYPICAL CHARACTERISTICS
ON
BPF-9D05G9D49G-SFF**

PMI MODEL NUMBER BPF-9D05G9D49G-SFF IS A BANDPASS FILTER WITH SMA FEMALE CONNECTORS IN/OUT. THIS UNIT HAS A PASSBAND FREQUENCY FROM 9.05-9.49 GHz.



**TESTED BY: A. KAROLY
REPORTED BY: V. PRATAP
DATE: 02/17/2026**

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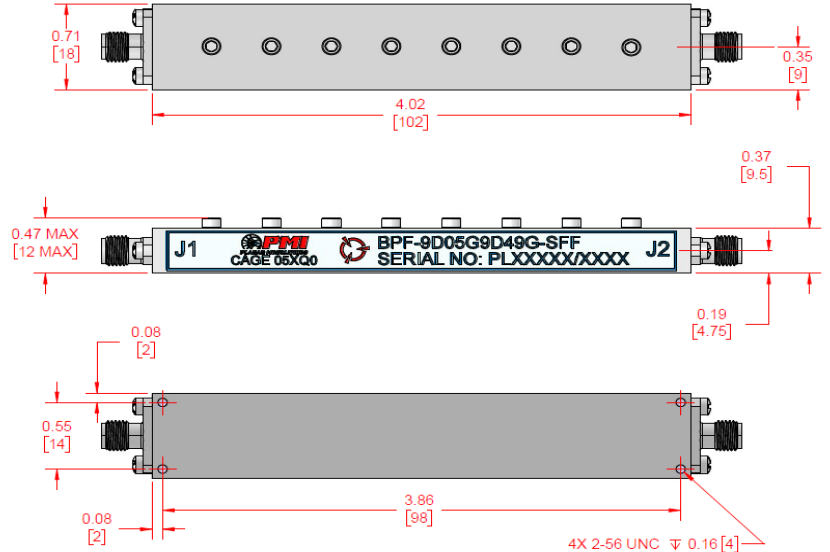
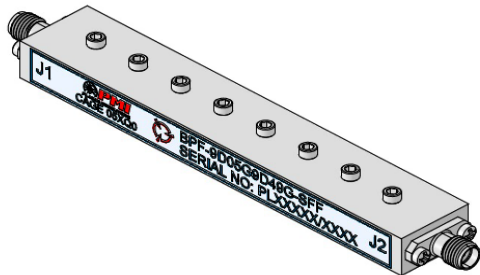
PRODUCT FEATURE

DESCRIPTION:

PMI MODEL NUMBER BPF-9D05G9D49G-SFF IS A BANDPASS FILTER WITH SMA FEMALE CONNECTORS IN/OUT. THIS UNIT HAS A PASSBAND FREQUENCY FROM 9.05-9.49 GHz.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 9.05 TO 9.49 GHz
- INSERTION LOSS:..... 1 dB MAXIMUM
- RIPPLE:..... 0.6 dB MAXIMUM
- VSWR:..... 1.5:1 MAXIMUM
- REJECTION @ 8.65-8.865 GHz:..... 25 dB MINIMUM
- GROUP DELAY:..... 2 ns MAXIMUM
- INPUT POWER:..... 5 W CW MAXIMUM
- CONNECTORS:..... SMA FEMALE (X2)
- FINISH:..... SILVER PLATED



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

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

DONE	REV	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/8/2020	

APPROVALS					DATE	TITLE
DESIGNED	VP				12/8/2020	OUTLINE
DRAWN						BPF-9D05G9D49G-SFF
TESTED						
SIZE	S	PCB NO	S	REV	05/00	DWG NO
SCALE	3:2					27053840
						REC
						A1
						SHEET 1 OF 1

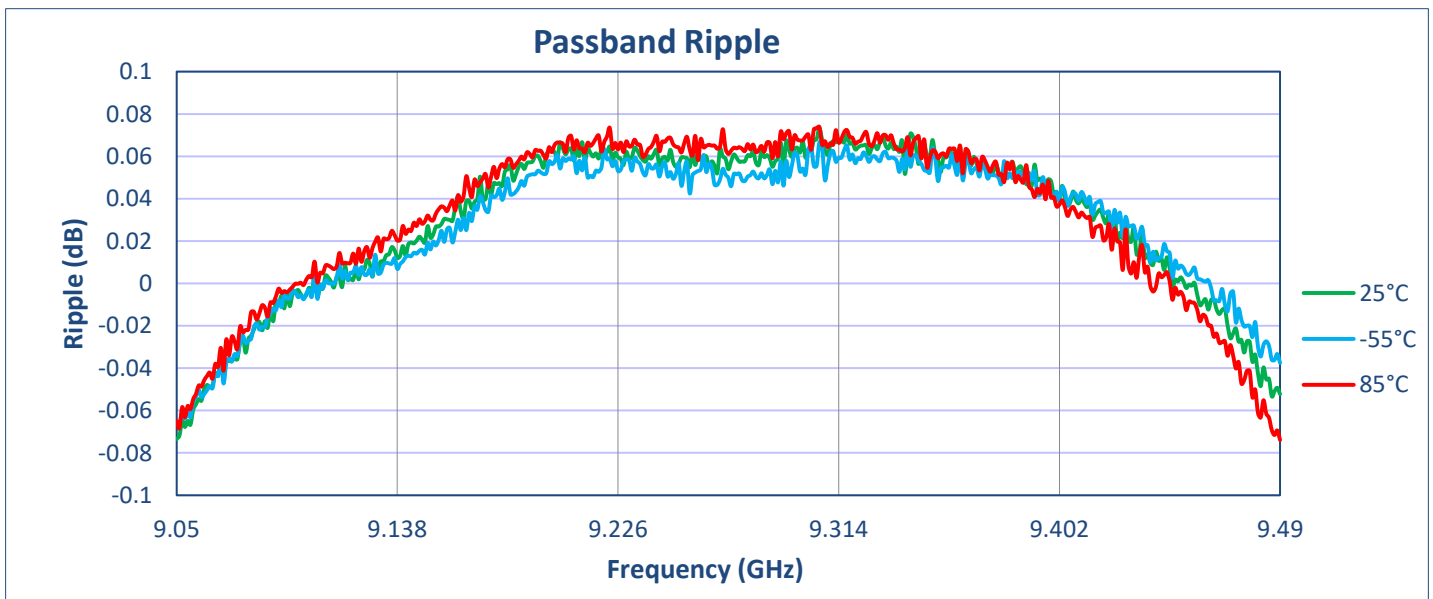
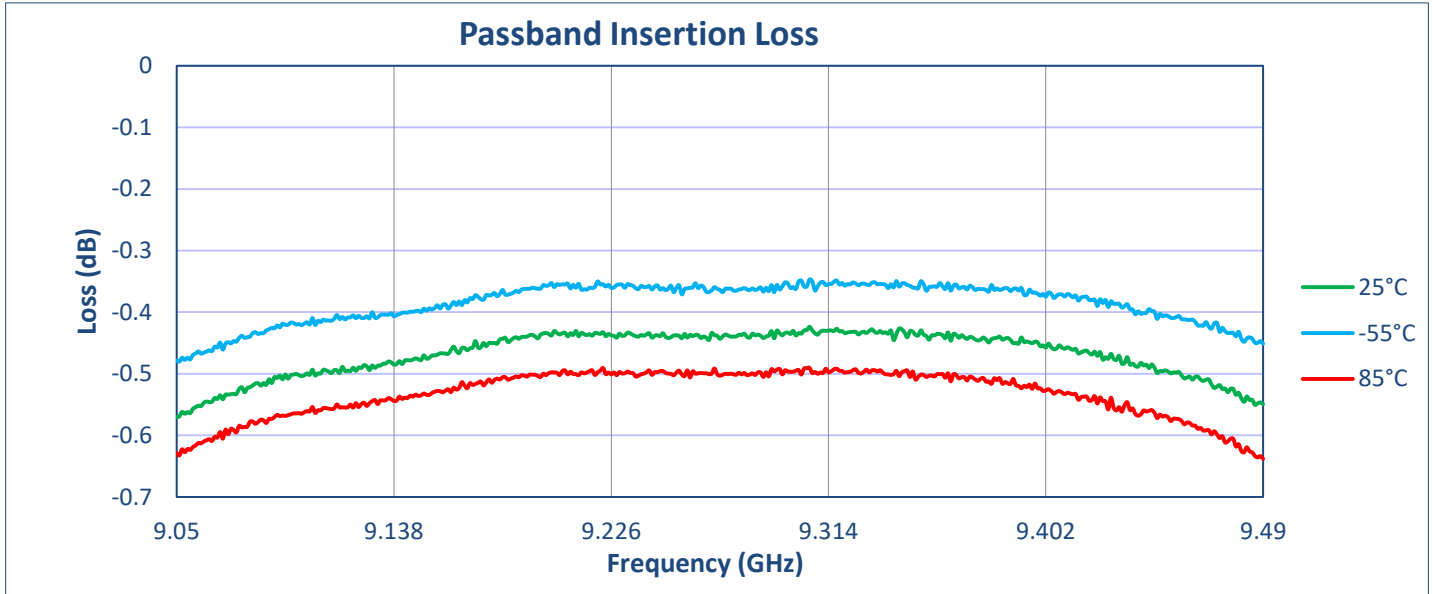


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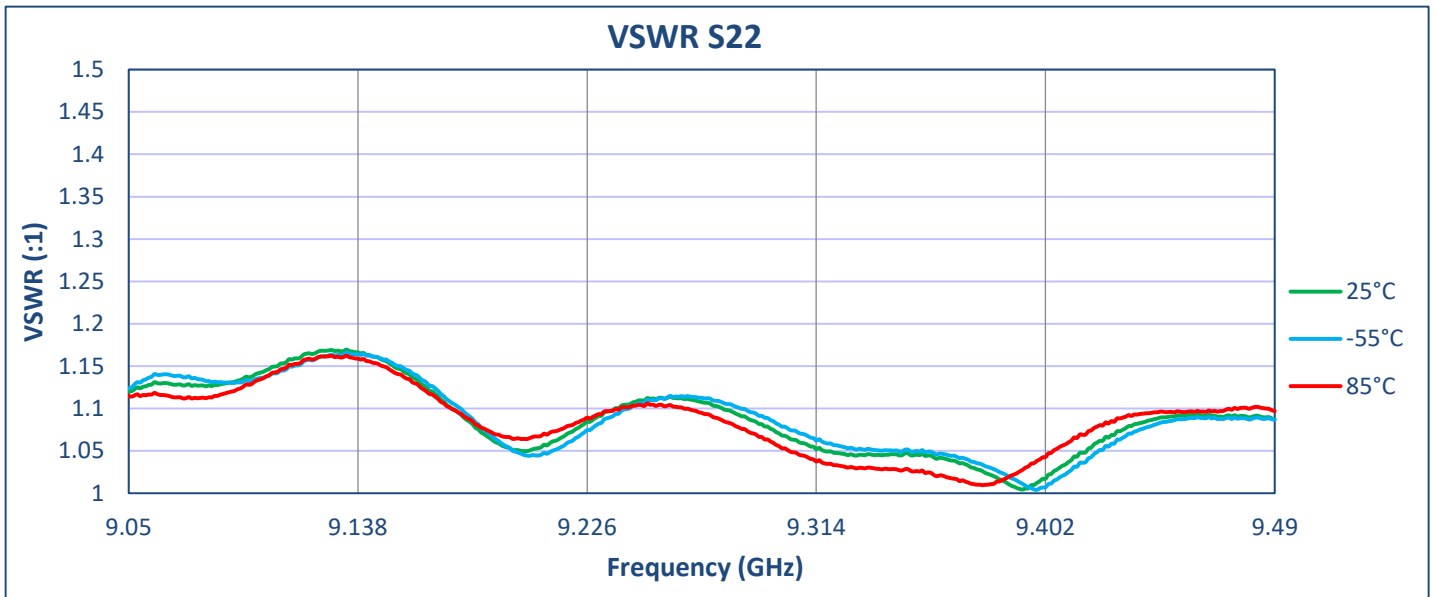
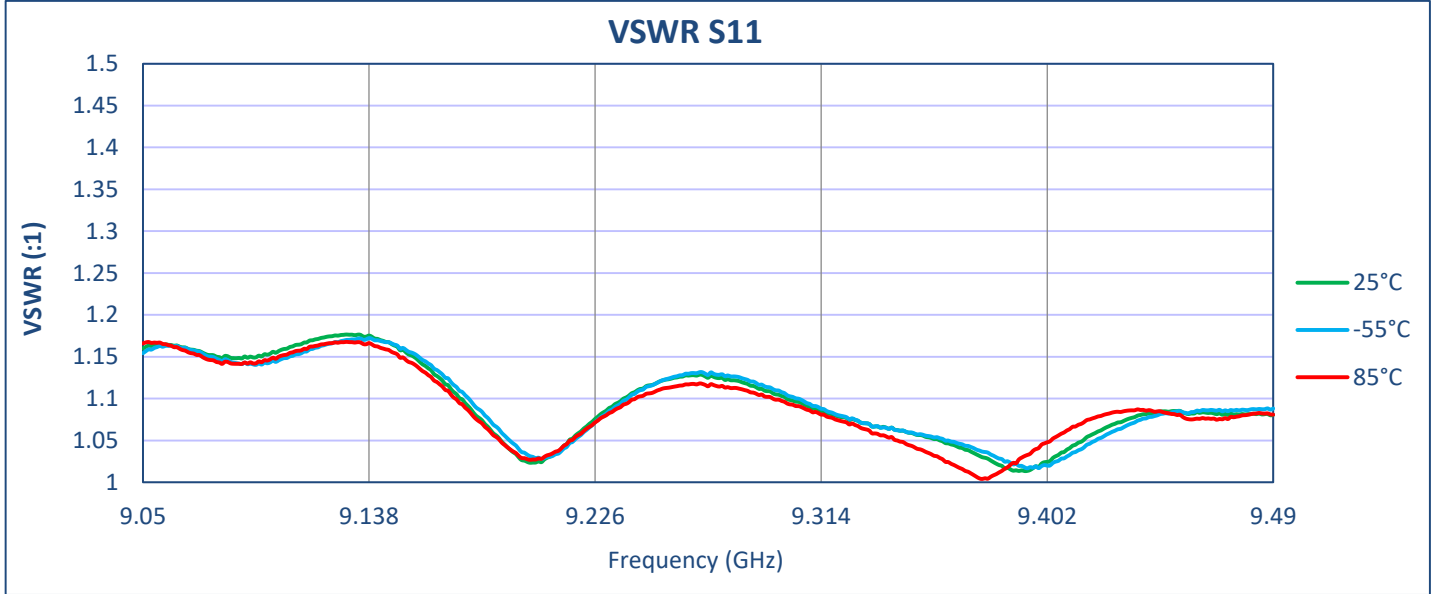
PRODUCT SPECIFICATIONS

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			-55°C	+25°C	+85°C
1	Passband Frequency	9.05 GHz TO 9.49 GHz	9.05 GHz TO 9.49 GHz		
2	Insertion Loss	1 dB MAX	0.48 dB (See Graph)	0.57 dB (See Graph)	0.63 dB (See Graph)
3	Passband Ripple	0.6 dB MAX	±0.07 dB (See Graph)	±0.07 dB (See Graph)	±0.07 dB (See Graph)
4	VSWR	1.5:1 MAX	1.2:1 (See Graph)	1.2:1 (See Graph)	1.2:1 (See Graph)
5	Rejection @ 8.65-8.865 GHz	25 dB MIN	32.5 dB (See Graph)	31.7 dB (See Graph)	30.8 dB (See Graph)
6	Group Delay	2 ns MAX	1.41 ns (See Graph)	1.28 ns (See Graph)	1.39 ns (See Graph)

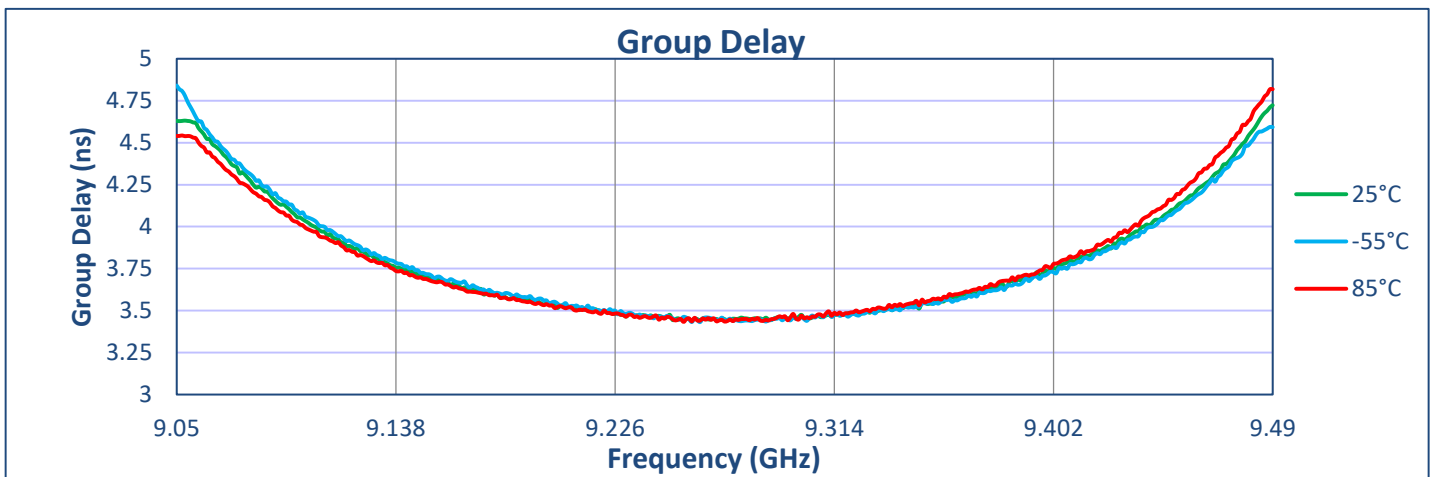
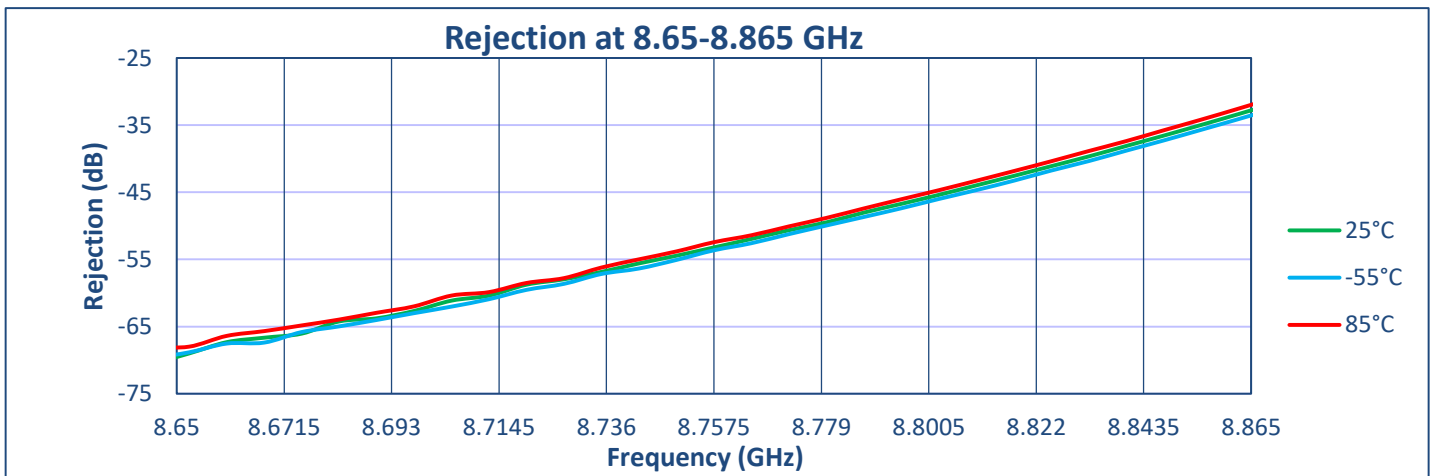
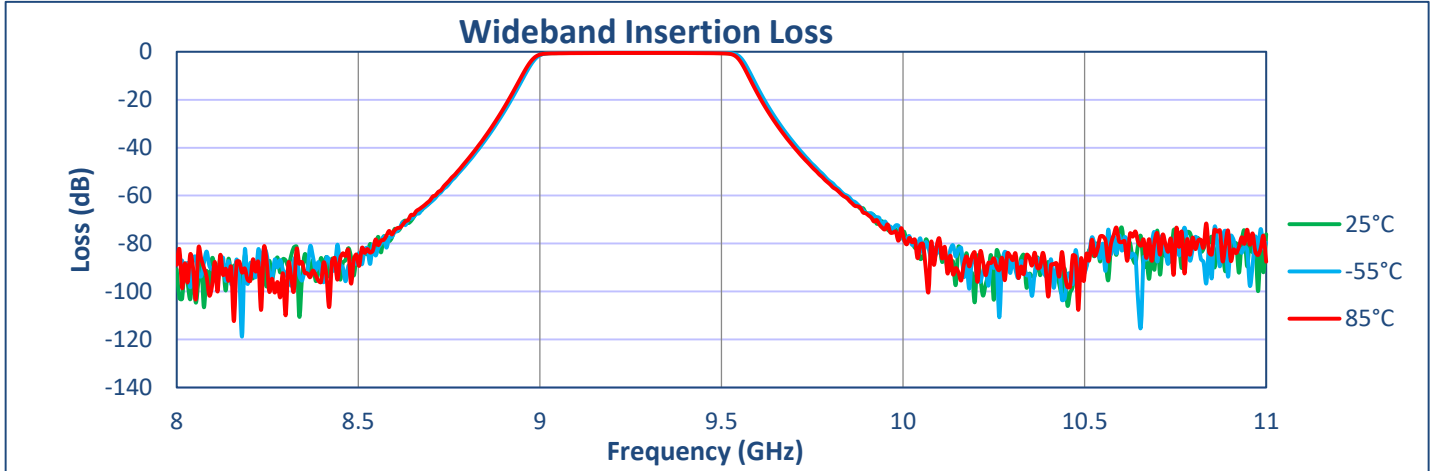
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