



TYPICAL CHARACTERISTICS
ON
BPF-2D2G2D29G-5W-SFF

PMI MODEL: BPF-2D2G2D29G-5W-SFF IS A BANDPASS FILTER WITH SMA FEMALE CONNECTORS IN/OUT. THIS UNIT HAS A PASSBAND FREQUENCY FROM 2.2 GHz TO 2.29 GHz.



TESTED BY: K. CRAVEN
REPORTED: V. PRATAP
DATE: 3/18/2025

TYPICAL CHARACTERISTICS ON BPF-2D2G2D29G-5W-SFF

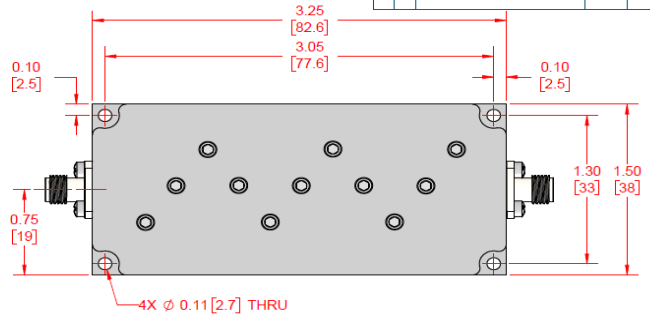
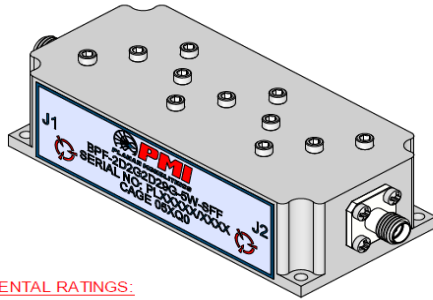
PRODUCT FEATURE

DESCRIPTION:

PMI MODEL: BPF-2D2G2D29G-5W-SFF IS A BANDPASS FILTER WITH SMA FEMALE CONNECTORS IN/OUT. THIS UNIT HAS A PASSBAND FREQUENCY FROM 2.2 GHz TO 2.29 GHz.

SPECIFICATIONS:

- PASSBAND FREQUENCY:..... 2.2 GHz TO 2.29 GHz.
- INSERTION LOSS:..... 0.8 dB MAX
- RIPPLE:..... ±0.2 dB MAX
- VSWR:..... 1.3:1 MAX
- REJECTION @ DC TO 2.11 GHz:..... 40 dB MIN.
- REJECTION @ 2.4 GHz TO 5 GHz:..... 40 dB MIN.
- INPUT POWER:..... 5 W CW MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... SILVER PLATED



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -24°C TO +60°C (OPERATING)
- 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

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/08/04	

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
DESIGNED	V. PRATAP	11/08/04	OUTLINE	
REVISION			BPF-2D2G2D29G-5W-SFF	
SIZE	B	FACE NO.	DWG NO.	SHEET
	D5XQ0		27053880	A1
SCALE 3:2		SHEET 1 OF 1		

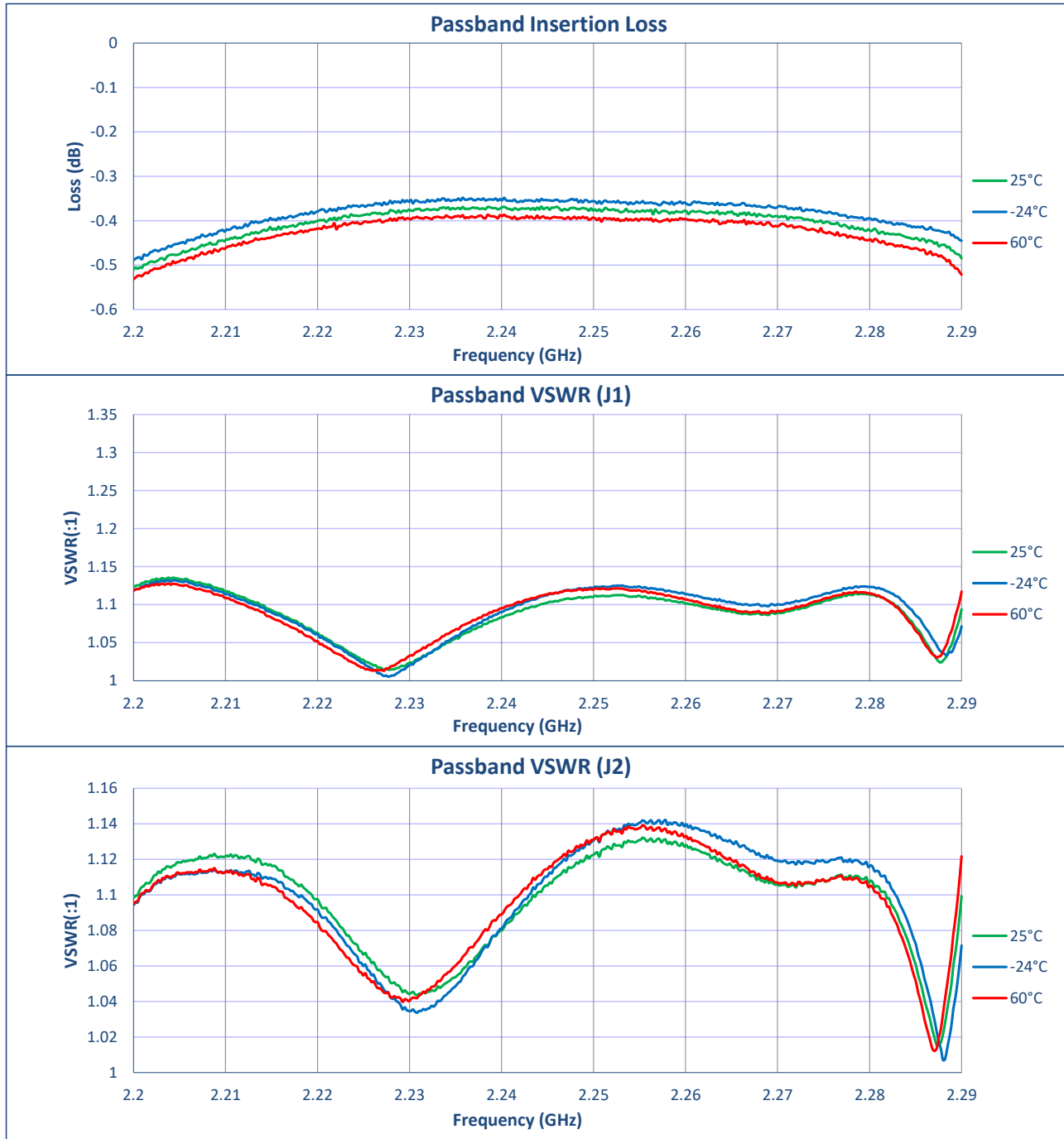


**TYPICAL CHARACTERISTICS
ON
BPF-2D2G2D29G-5W-SFF**

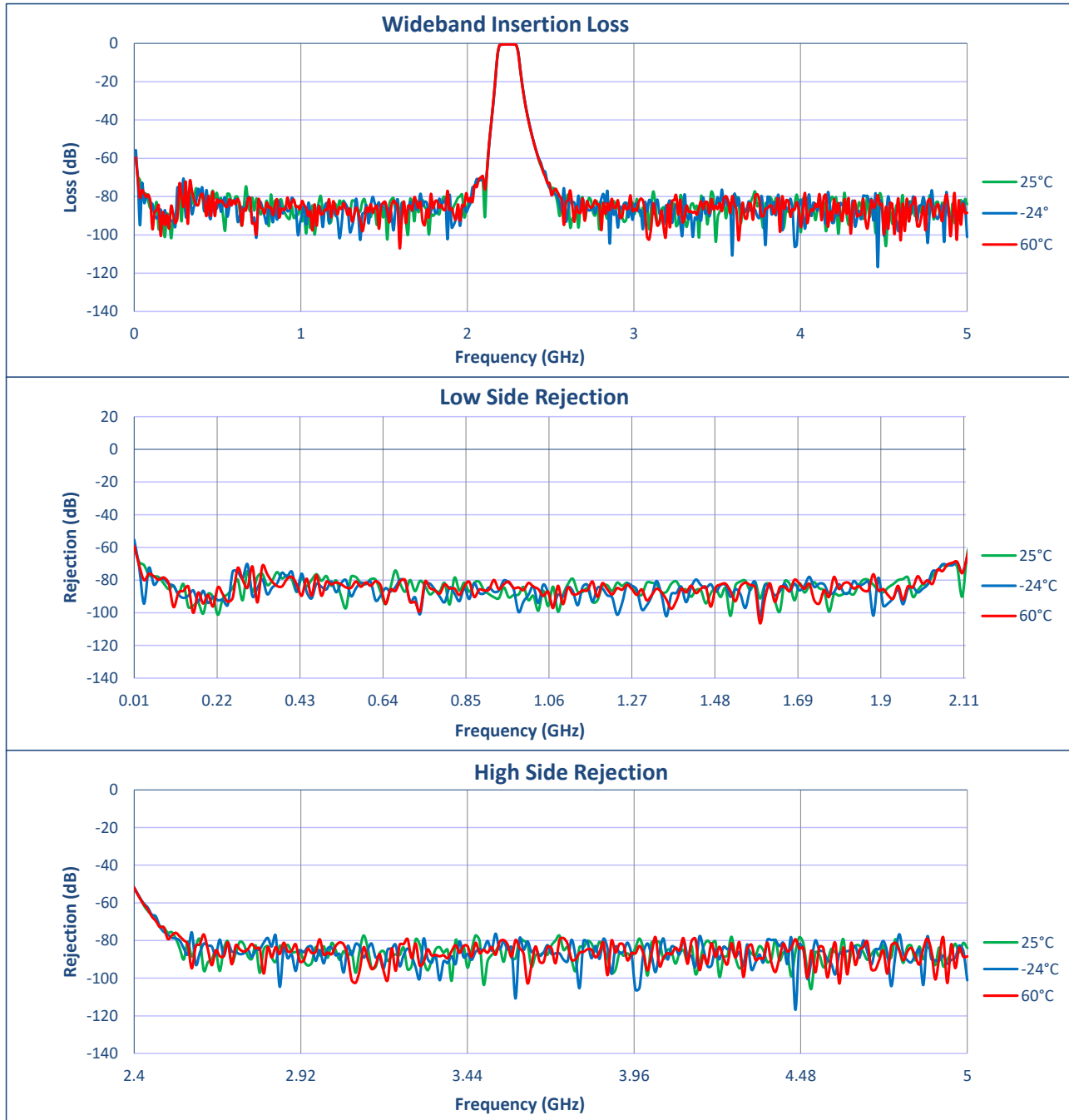
PRODUCT SPECIFICATIONS

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			-24°C	+25°C	+60°C
1	Passband Frequency Range	2.2 GHz to 2.29 GHz	2.2 GHz to 2.29 GHz		
2	Insertion Loss	0.8 dB Max.	0.49 dB	0.51 dB	0.53 dB
3	Ripple	±0.2 dB Max.	±0.07 dB	±0.07 dB	±0.07 dB
4	VSWR	1.3:1 Max.	1.14:1	1.14:1	1.14:1
5	Rejection @ DC to 2.11 GHz	40 dB Min.	55.8 dB	59.2 dB	59.6 dB
6	Rejection @ 2.4 GHz to 5 GHz	40 dB Min.	53.4 dB	53.7 dB	53.8 dB
7	Input Power	5W CW Max.	5W	5W	5W

TYPICAL CHARACTERISTICS ON BPF-2D2G2D29G-5W-SFF



TYPICAL CHARACTERISTICS ON BPF-2D2G2D29G-5W-SFF



TYPICAL CHARACTERISTICS ON BPF-2D2G2D29G-5W-SFF

