

**TYPICAL CHARACTERISTICS  
ON  
BPF-9D75G-0D5G-SFF**

**PMI MODEL: BPF-9D75G-0D5G-SFF IS A BAND PASS FILTER WITH SMA FEMALE CONNECTORS IN/OUT. THIS UNIT HAS A CENTER FREQUENCY OF 9750 MHz AND AN INSERTION LOSS OF 0.9 dB MAX.**



**REPORTED BY: V. PRATAP  
TESTED BY: E. KRETZ  
DATE: 8/20/2025**

# TYPICAL CHARACTERISTICS ON BPF-9D75G-0D5G-SFF

## PRODUCT FEATURE

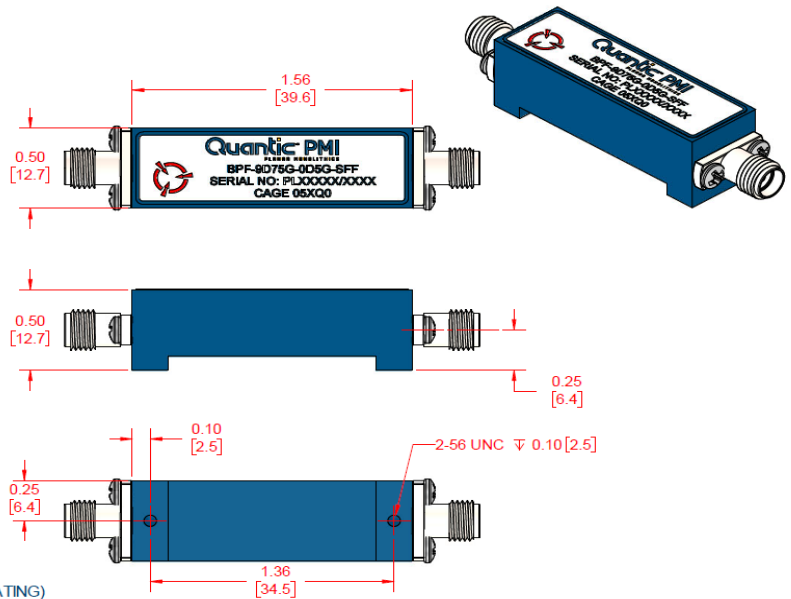
**DESCRIPTION:**

PMI MODEL: BPF-9D75G-0D5G-SFF IS A BAND PASS FILTER WITH SMA FEMALE CONNECTORS IN/ OUT. THIS UNIT HAS A CENTER FREQUENCY OF 9750 MHz AND AN INSERTION LOSS OF 0.9 dB MAX

CON#	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/29/2024	

**SPECIFICATIONS @ 25°C:**

- PASSBAND FREQUENCY:..... 9.5 GHz TO 10 GHz
- INSERTION LOSS:..... 0.9 dB MAX
- RETURN LOSS:..... 14 dB MIN
- REJECTION @ DC TO 8000 MHz:..... 75 dBc MIN
- REJECTION @ 10750 MHz TO 15000 MHz:..... 58 dBc MIN
- INPUT POWER:..... 10 W MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +70°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

PMI CONFIDENTIAL AND PROPRIETARY

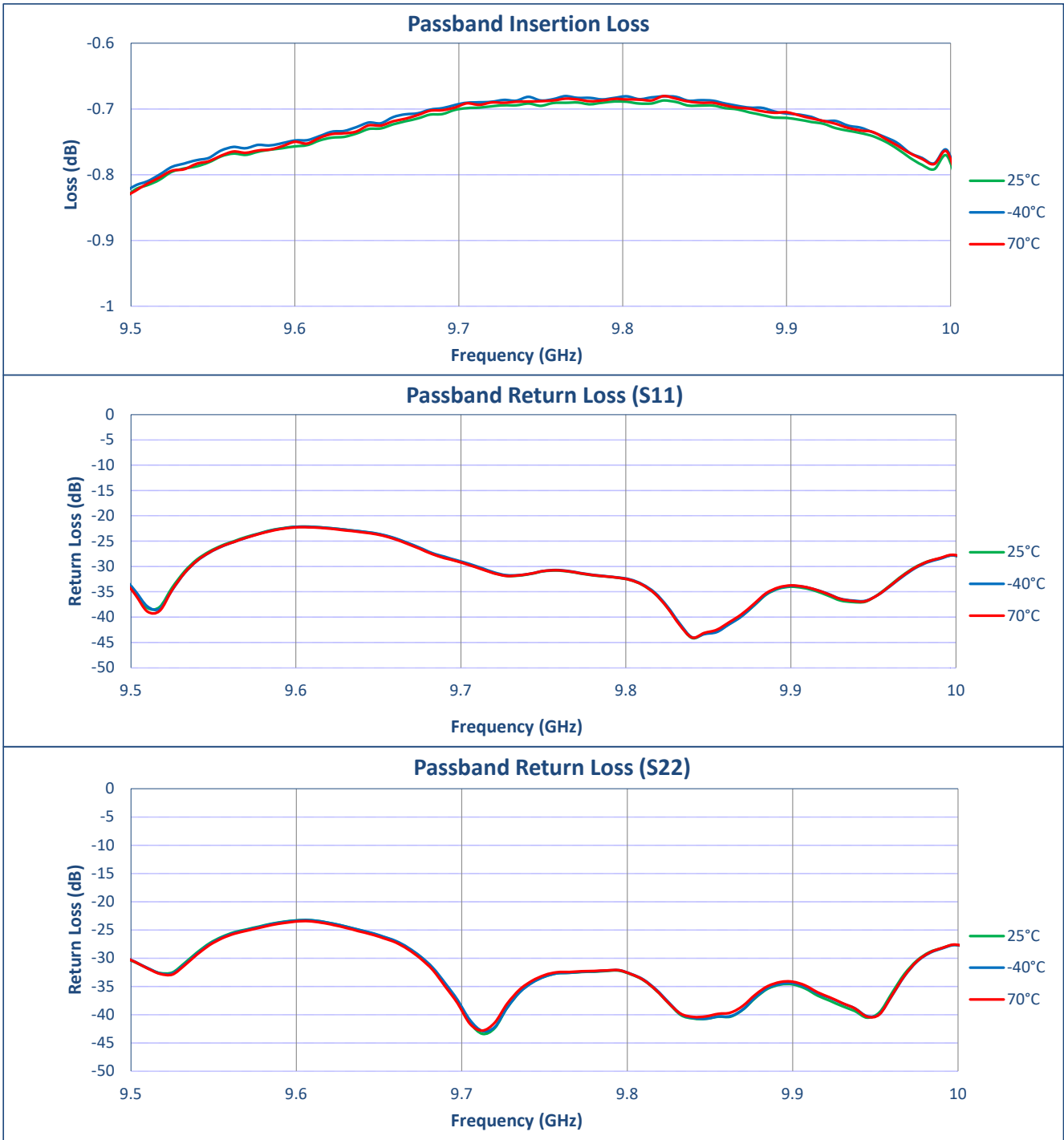
APPROVALS		DATE	TITLE	
DRAWN	V.P.	6/23/2024	OUTLINE	
DESIGNED			BPF-9D75G-0D5G-SFF	
DATE	SIZE	TSCM REC	DRWG NO.	REV
	B	05XQ0	27052240	A1
SCALE 2:1			SHEET 1 OF 1	

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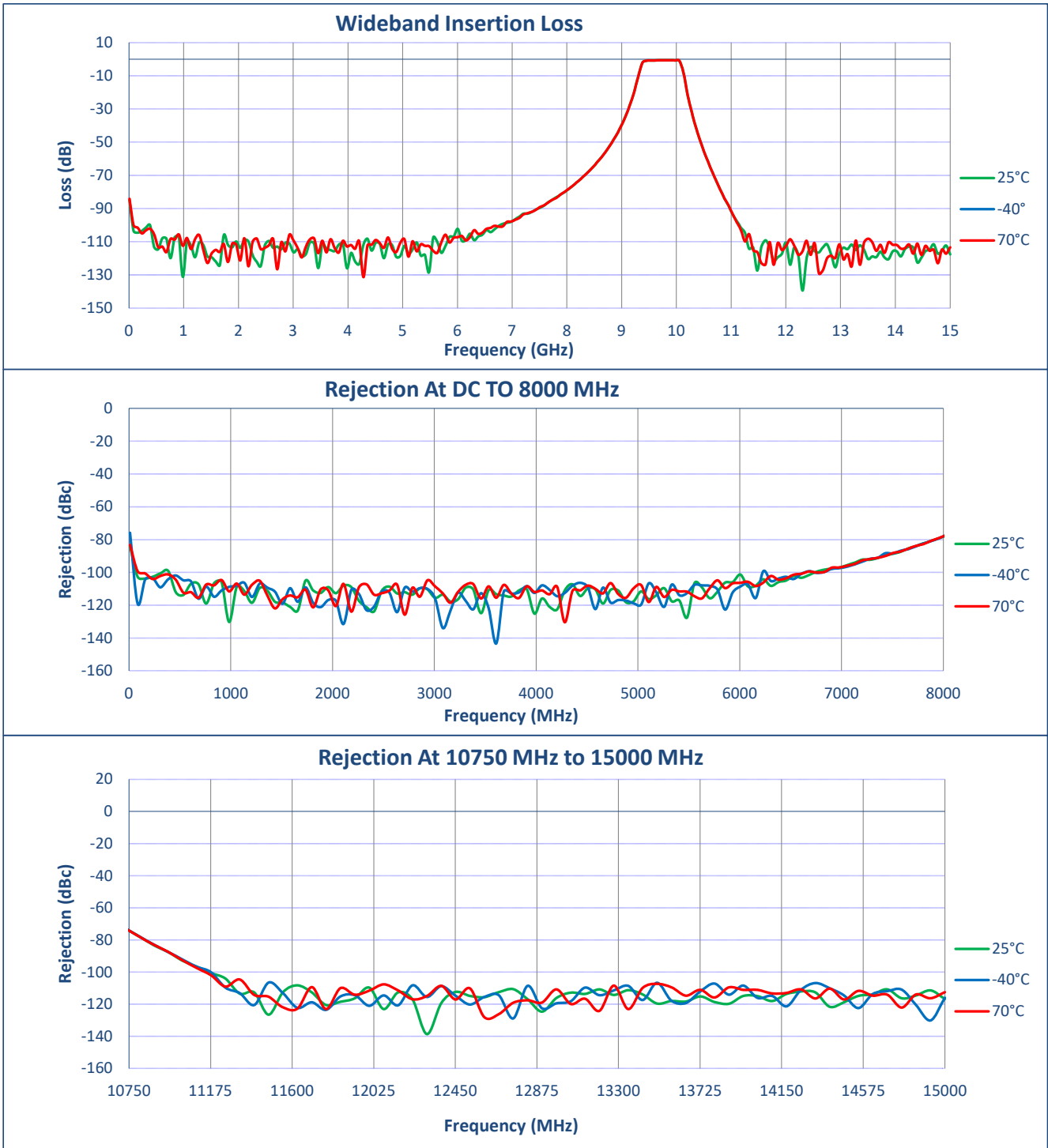
**PRODUCT SPECIFICATIONS**

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			-40°C	+25°C	+70°C
1	Passband Frequency Range	9.5 GHz to 10 GHz	9.5 GHz to 10 GHz		
2	Insertion Loss (Passband)	0.9 dB Max.	0.82 dB	0.82 dB	0.82 dB
3	Return Loss	14 dB Min.	22.15 dB	22.14 dB	22.24 dB
4	Rejection (DC to 8000 MHz)	75 dBc Min.	76.7 dBc	78.4 dBc	78.2 dBc
5	Rejection (10750 MHz to 15000 MHz)	58 dBc Min.	73.3 dBc	73.5 dBc	73.4 dBc
6	Input Power	10W	10W	10W	10W

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