

**TYPICAL CHARACTERISTICS  
ON  
BPF-140M-60M-SFF**

**PMI MODEL NUMBER BPF-140M-60M-SFF IS A BANDPASS FILTER WITH A BANDWIDTH OF  
60 MHz TYPICAL COVERING 110 MHz TO 170 MHz.**



**Reported By: S. Lange  
Tested By: E. Kretz  
Date: 07/03/2025**

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Email: sales@quanticpmi.com

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PRODUCT FEATURE**

**DESCRIPTION:**

PMI MODEL NUMBER BPF-140M-60M-SFF IS A BANDPASS FILTER WITH A BANDWIDTH OF 60 MHz TYPICAL COVERING 110 MHz TO 170 MHz.

**SPECIFICATIONS:**

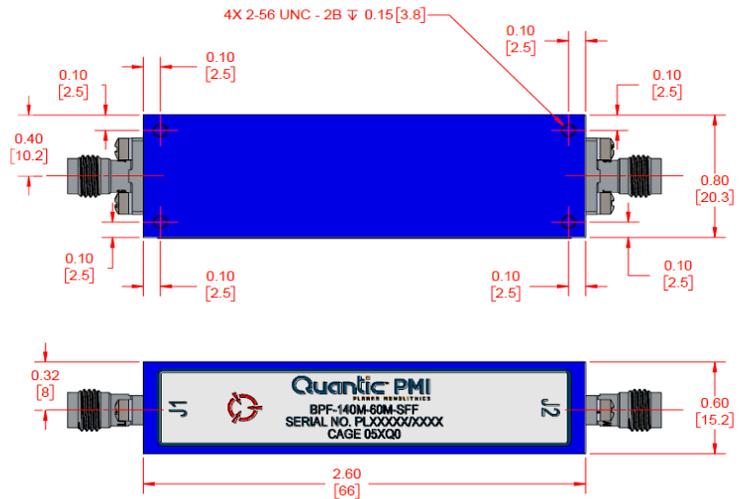
- PASSBAND FREQUENCY RANGE:..... 110 MHz TO 170 MHz
- BANDWIDTH (3dB PASSBAND):..... 60 MHz MIN
- VSWR:..... 1.5:1 MAX
- INSERTION LOSS:..... 2.0 dB MAX
- REJECTION:
  - AT 85 MHz:..... 40 dB MIN
  - AT 195 MHz:..... 40 dB MIN
- INPUT POWER:..... 1 WATT MAX
- PASSBAND FLATNESS:..... 1.3 dB MAX
- GROUP DELAY:..... 60 ns MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -10°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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/16/2005	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
DRAWN	S LANGE	4/16/2005	OUTLINE	
REDRAWN			BPF-140M-60M-SFF	
TESTED			REV: 1	FORM NO: 27051440
			B	05XQ0

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 QUANTIC PMI  
 PLANNED MONOLITHICS

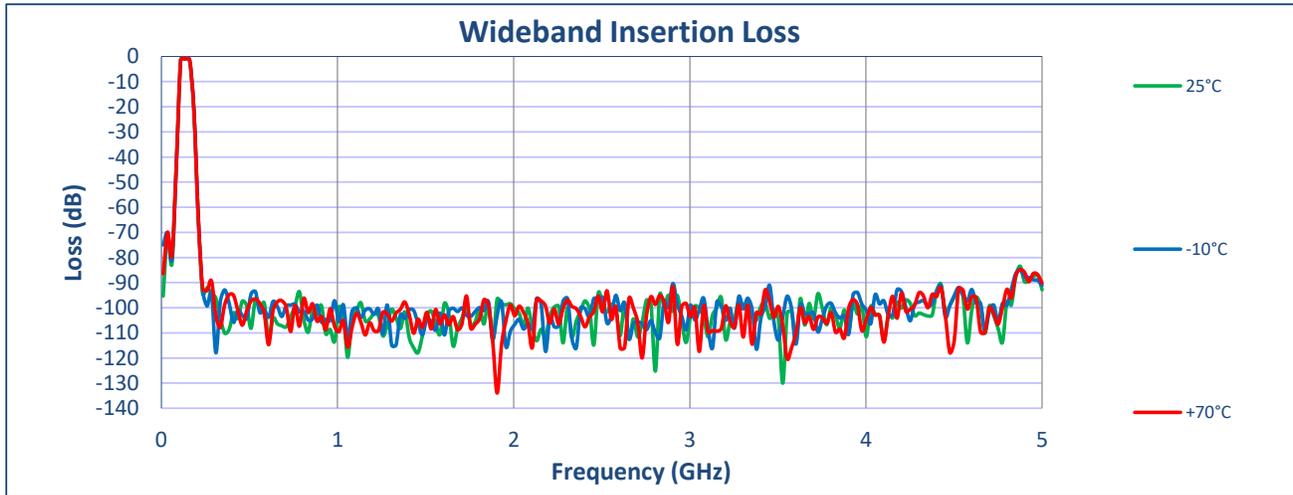
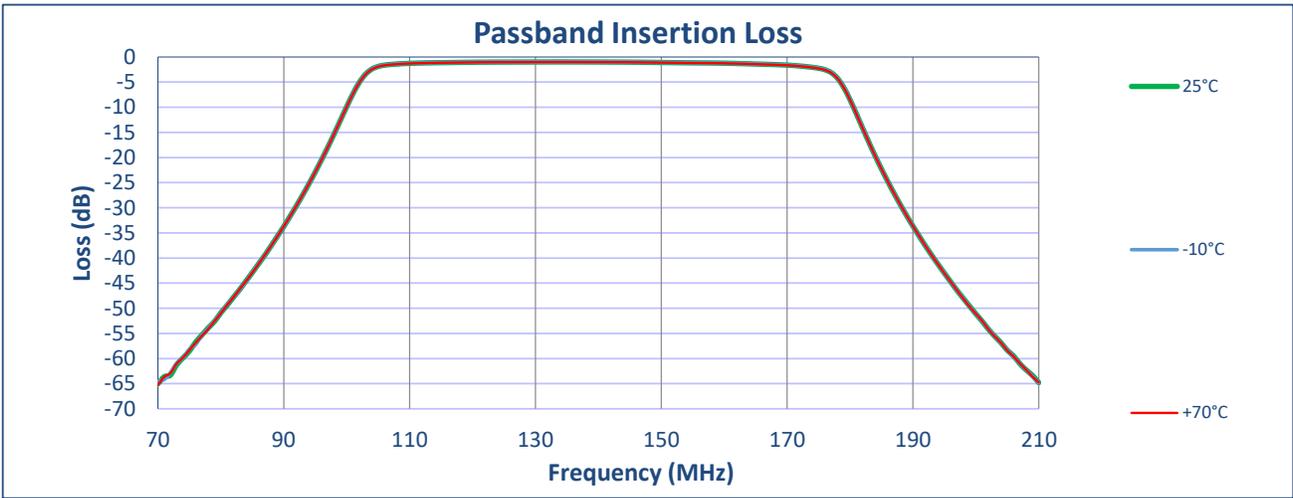
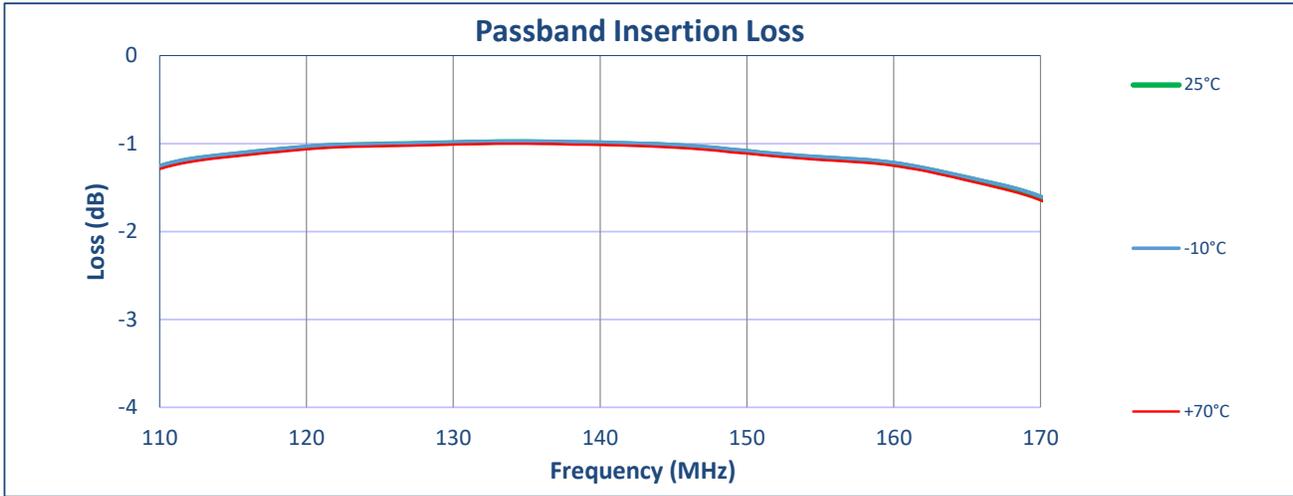
SCALE: 2:1 SHEET 1 OF 1

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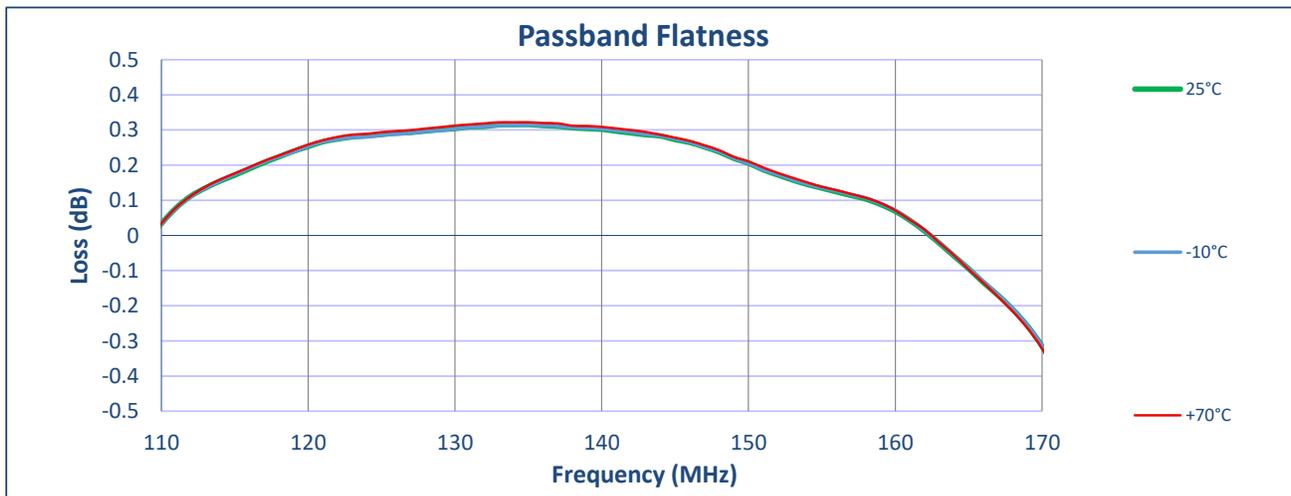
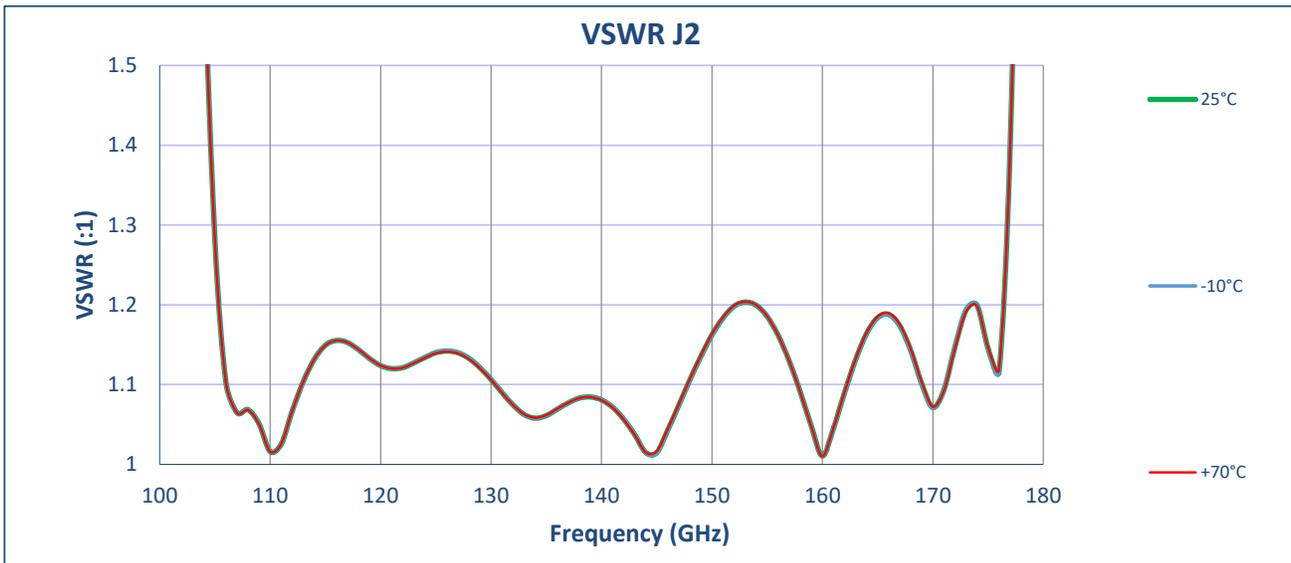
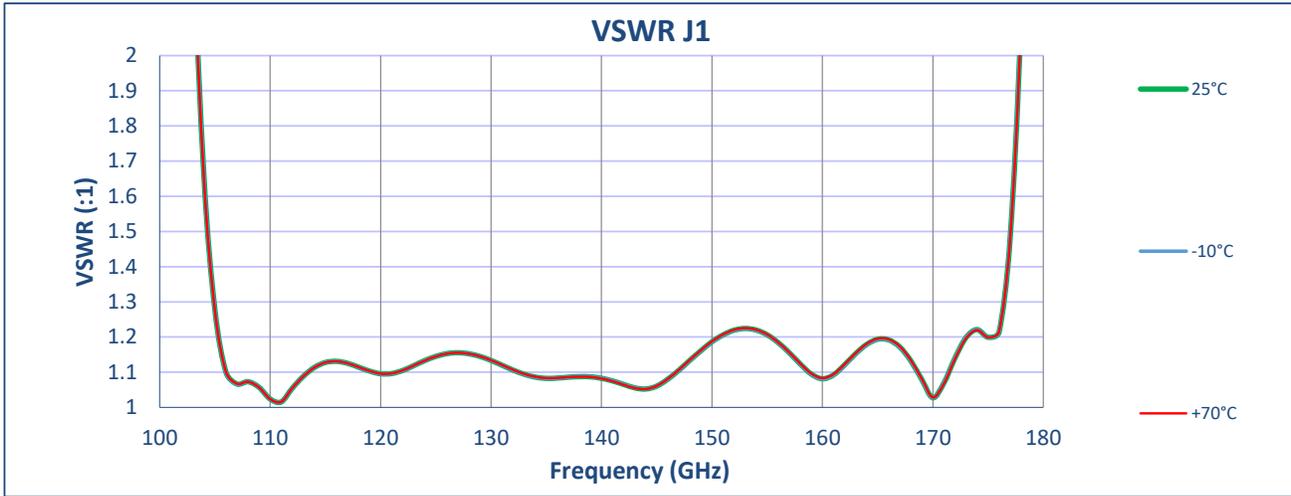
**TEST DATA**

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-10°C	+70°C
1	Passband Frequency Range	110 MHz to 170 MHz	103 MHz to 178 MHz 3 dB Passband	103 MHz to 178 MHz 3 dB Passband	103 MHz to 178 MHz 3 dB Passband
2	VSWR	1.5:1 Max.	1.22:1 Max.	1.22:1 Max.	1.23:1 Max.
3	Insertion Loss	2.0 dB Max.	1.61 dB Max.	1.6 dB Max.	1.65 dB Max.
4	Rejection at 85 MHz	40 dB Min.	42.9 dB	42.8 dB	42.9 dB
5	Rejection at 195 MHz	40 dB Min.	43 dB	43 dB	43 dB
6	Passband Flatness	1.3 dB Max.	0.63 dB	0.63 dB	0.64 dB
7	Input Power	1 Watt Max.	See Graphs		
8	Group Delay	60 ns MAX	42.04 ns Max.	42.05 ns Max.	42.04 ns Max.

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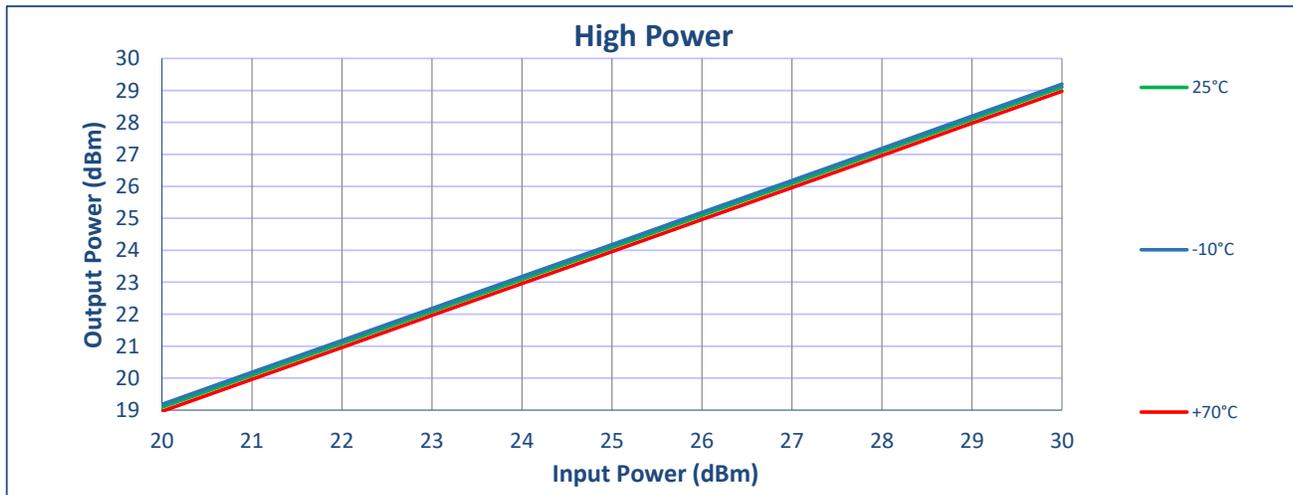
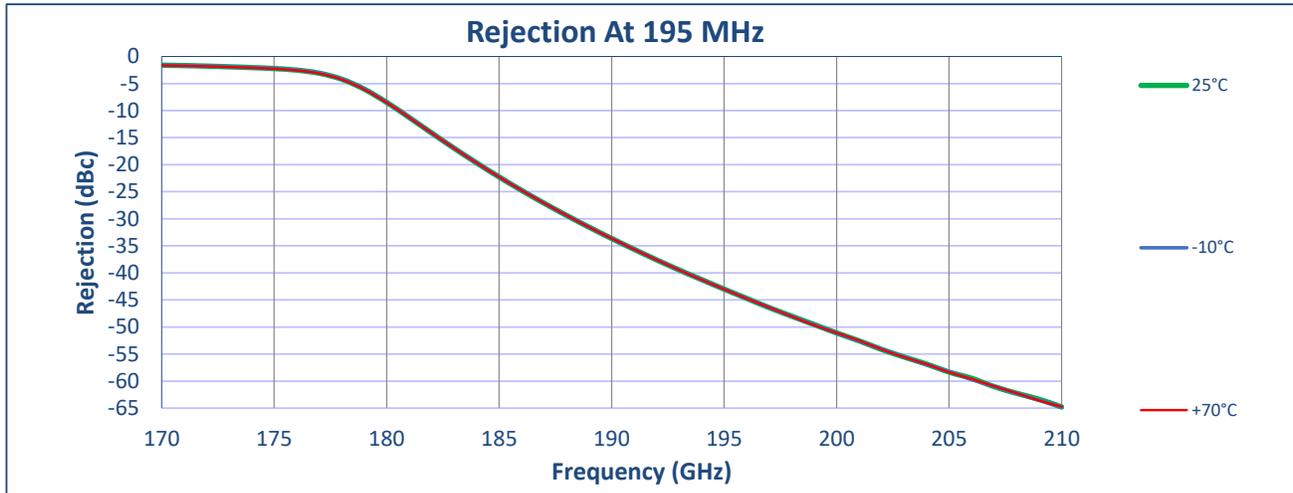
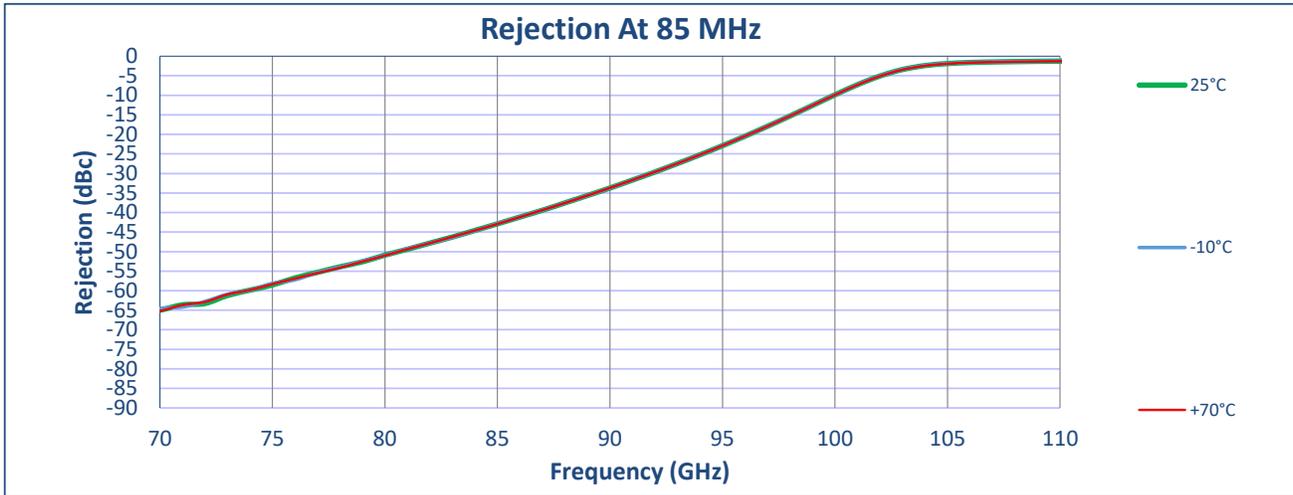


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