

**TYPICAL CHARACTERISTICS  
ON  
BPF-3600-1800-65-SFF**

**PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER: BPF-3600-1800-65-SFF IS A  
BANDPASS FILTER WITH A PASSBAND FREQUENCY OF 2.7 GHz TO 4.5 GHz.**



**Reported By: S. Lange  
Tested By: E. Kretz  
Date: 3/20/2025**

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ON  
BPF-3600-1800-65-SFF  
  
PRODUCT FEATURE**

**DESCRIPTION:**  
PMI MODEL NUMBER BPF-3600-1800-65-SFF IS A BANDPASS FILTER WITH A BANDWIDTH OF 1800 MHZ TYPICAL COVERING 2.7 GHZ TO 4.5 GHZ.

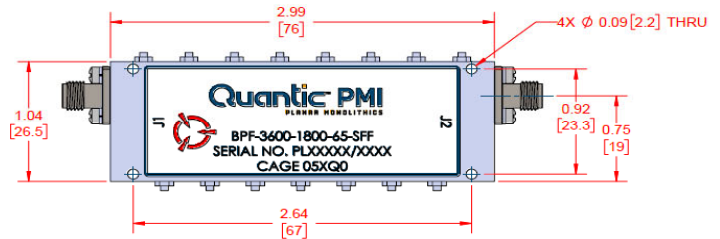
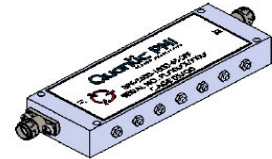
**SPECIFICATIONS:**

- PASSBAND FREQUENCY RANGE:..... 2.7 GHZ TO 4.5 GHZ
- CENTER FREQUENCY:..... 3.6 GHZ
- BANDWIDTH:..... 1800 MHZ TYP
- VSWR:..... 1.5:1 MAX
- INSERTION LOSS:..... 1.0 dB MAX
- REJECTION:
  - DC TO 2.2 GHZ:..... 65 dBc MIN
  - 5 TO 8 GHZ:..... 65 dBc MIN
- INPUT POWER:..... 10 WATTS MAX
- PASSBAND RIPPLE:..... ±0.5 dB MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +70°C (OPERATING)

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/18/2018	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE		REV.
DRAWN	S. LANGE	1/18/2018	OUTLINE		
REDRAWN			SIZE	P/3/CH/NC	DWG NO.
			B	05XQ00	27050700
SCALE 1:1			SHEET 1 OF 1		

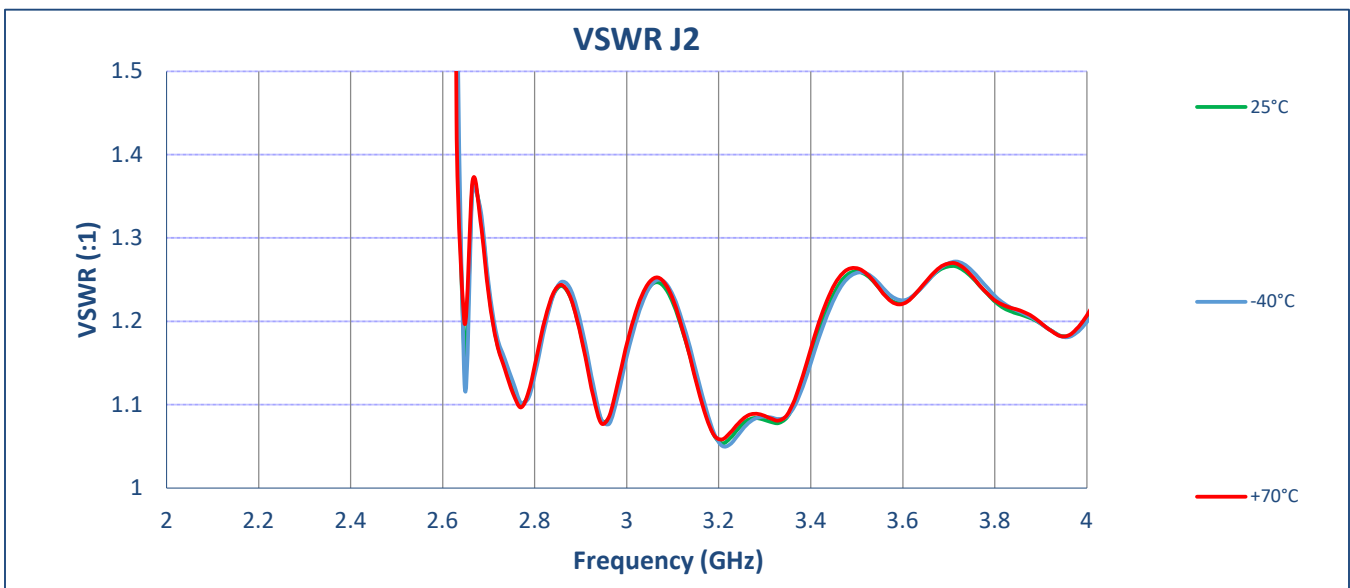
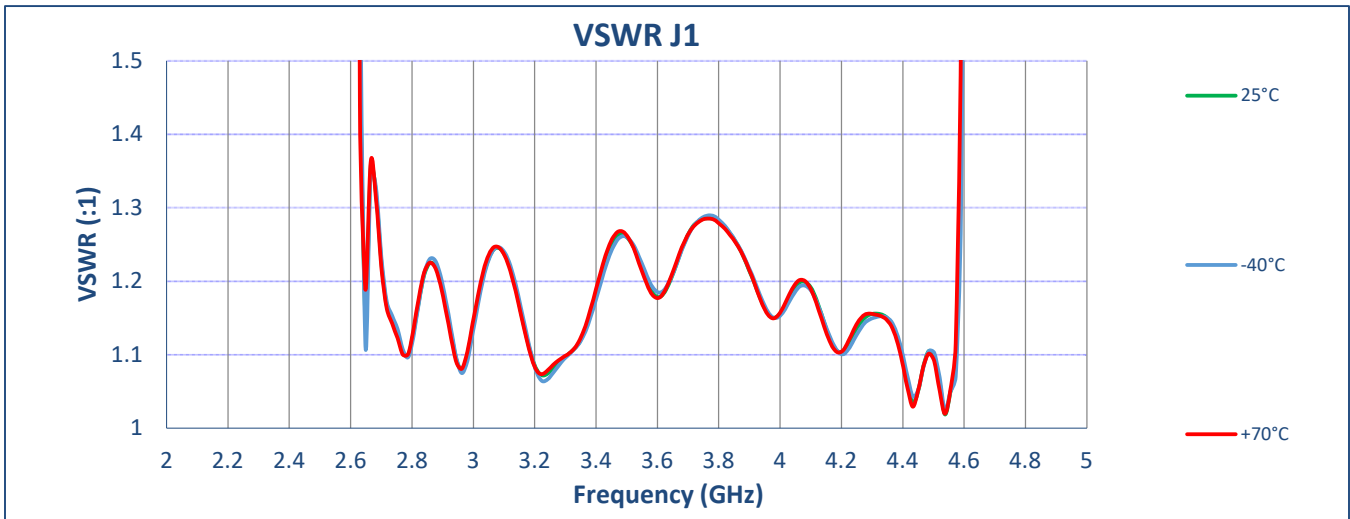
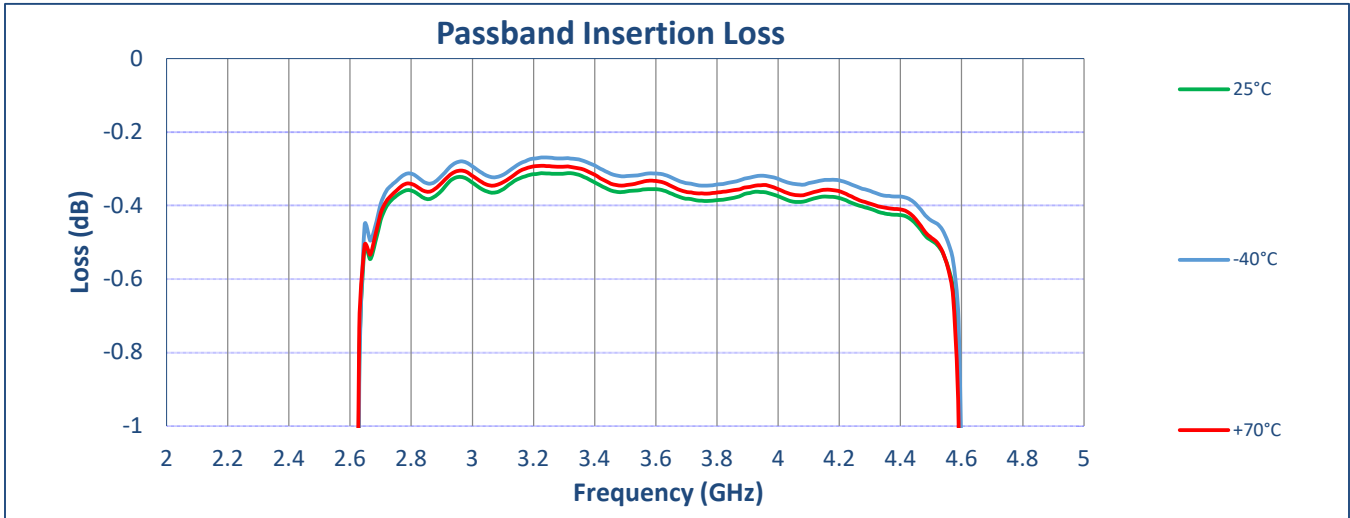
NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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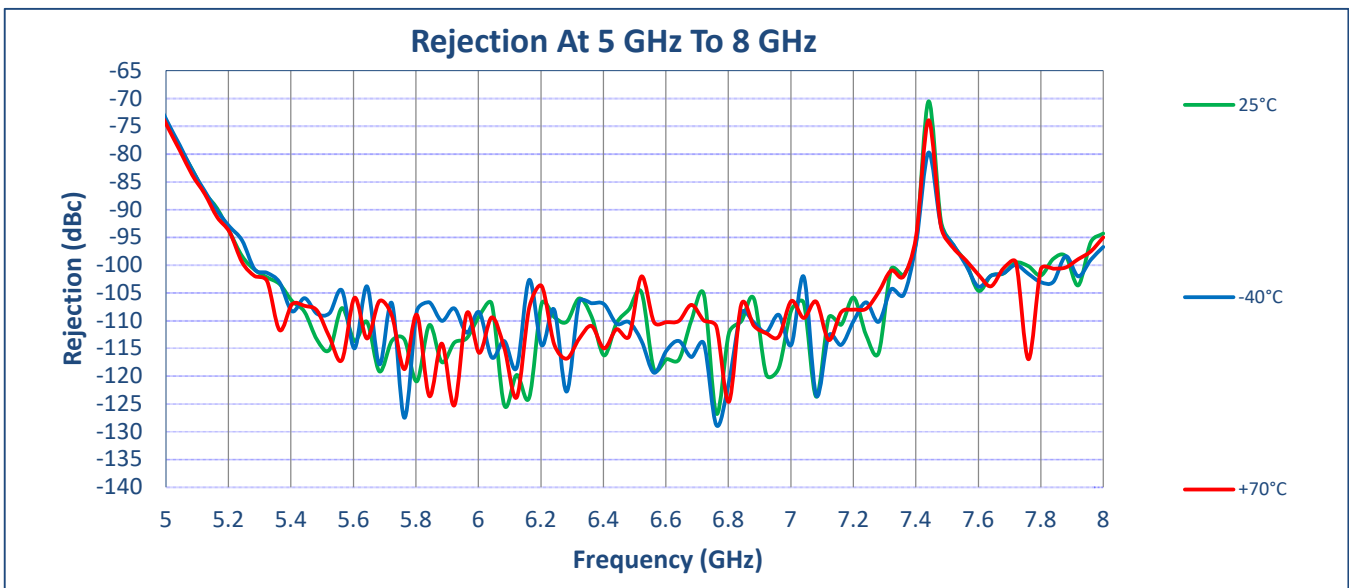
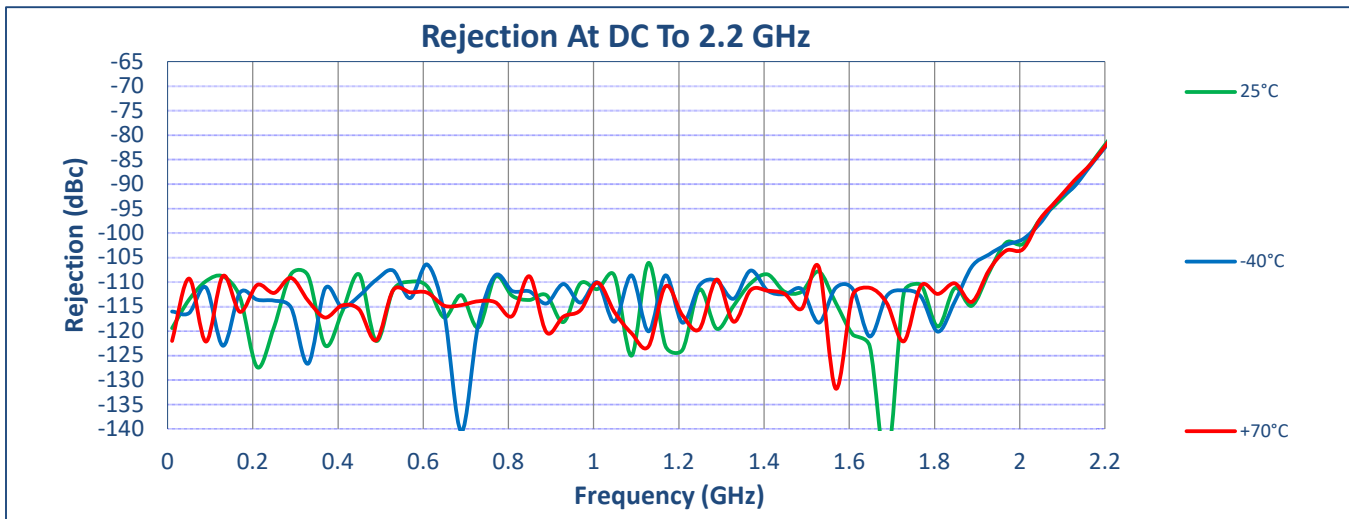
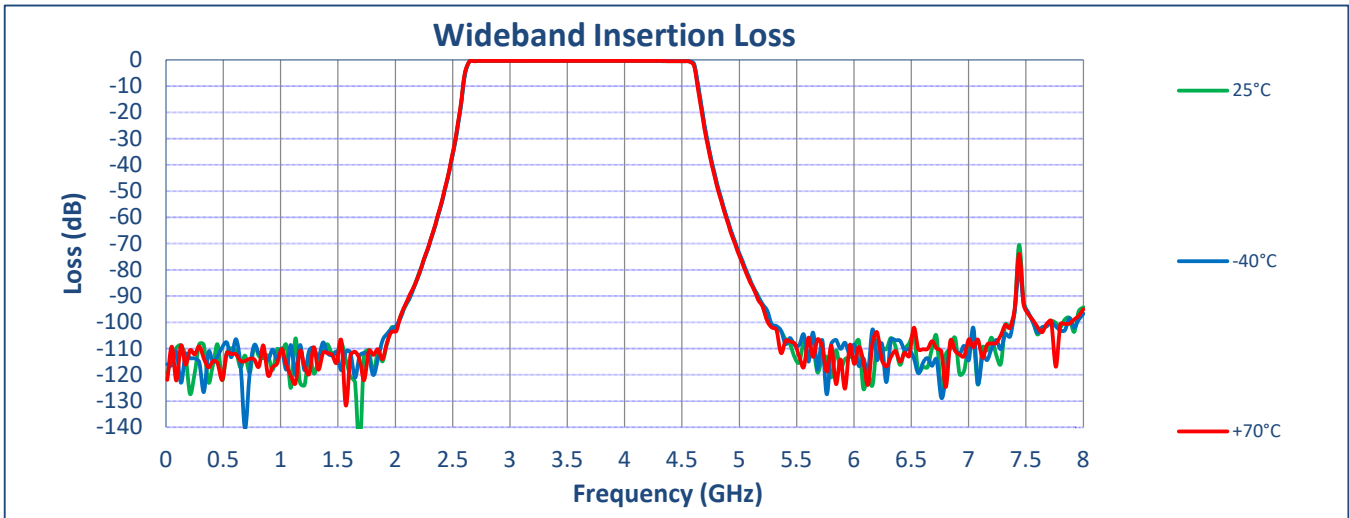
**TEST DATA**

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-40°C	+70°C
1	Passband Frequency Range	2.7 GHz to 4.5 GHz	2.63 GHz to 4.59 GHz 1 dB Passband	2.63 GHz to 4.61 GHz 1 dB Passband	2.63 GHz to 4.59 GHz 1 dB Passband
2	VSWR	1.5:1 Max.	1.29:1	1.29:1	1.29:1
3	Insertion Loss (Passband)	1.0 dB Max.	0.5 dB	0.44 dB	0.49 dB
4	Rejection DC to 2.2 GHz	65 dBc Min.	80.6 dBc	81.3 dBc	81 dBc
5	Rejection 5 GHz to 8 GHz	65 dBc Min.	70 dBc	73.7 dBc	73.4 dBc
6	Passband Ripple	±0.5 dB Max.	+0.06 Max. -0.13 Max.	+0.06 Max. -0.12 Max.	+0.06 Max. -0.14 Max.
7	Input Power	10 Watts Max.	See Graphs		

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