

**TYPICAL CHARACTERISTICS
ON
BPF-35D-4G-292FF**

**PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER: BPF-35D-4G-292FF IS A BANDPASS
FILTER WITH A PASSBAND FREQUENCY OF 33 GHz TO 37 GHz.**



**Reported By: S. Lange
Tested By: E. Kretz
Date: 3/25/2025**

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PRODUCT FEATURE

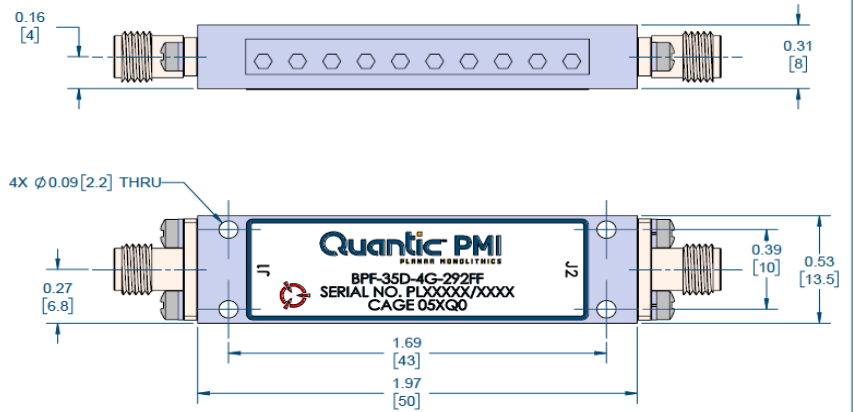
DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER: BPF-35D-4G-292FF IS A BANDPASS FILTER WITH A PASSBAND FREQUENCY OF 33 GHz TO 37 GHz.

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

SPECIFICATIONS:

- FREQUENCY RANGE:..... 33 GHz TO 37 GHz
- INSERTION LOSS:..... 2 dB MAX
- VSWR:..... 1.6:1 MAX
- REJECTION:..... 60 dB MIN @ DC TO 31 GHz
60 dB MIN @ 39 GHz TO 43 GHz
- INPUT POWER:..... 5 WATTS MAX
- CONNECTORS(IN/OUT):..... 2.92mm - FEMALE
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -20°C TO +65°C (OPERATING)

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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
DRAWN	S. LANGE	1/18/2018	OUTLINE	
DESIGNED			BPF-35D-4G-292FF	
SIZE	B	FORM NO.	DWG NO.	REV.
			27050720	A1
			SCALE: 1:1	SHEET 1 OF 1

Quantic[™] PMI
PLANAR MONOLITHICS

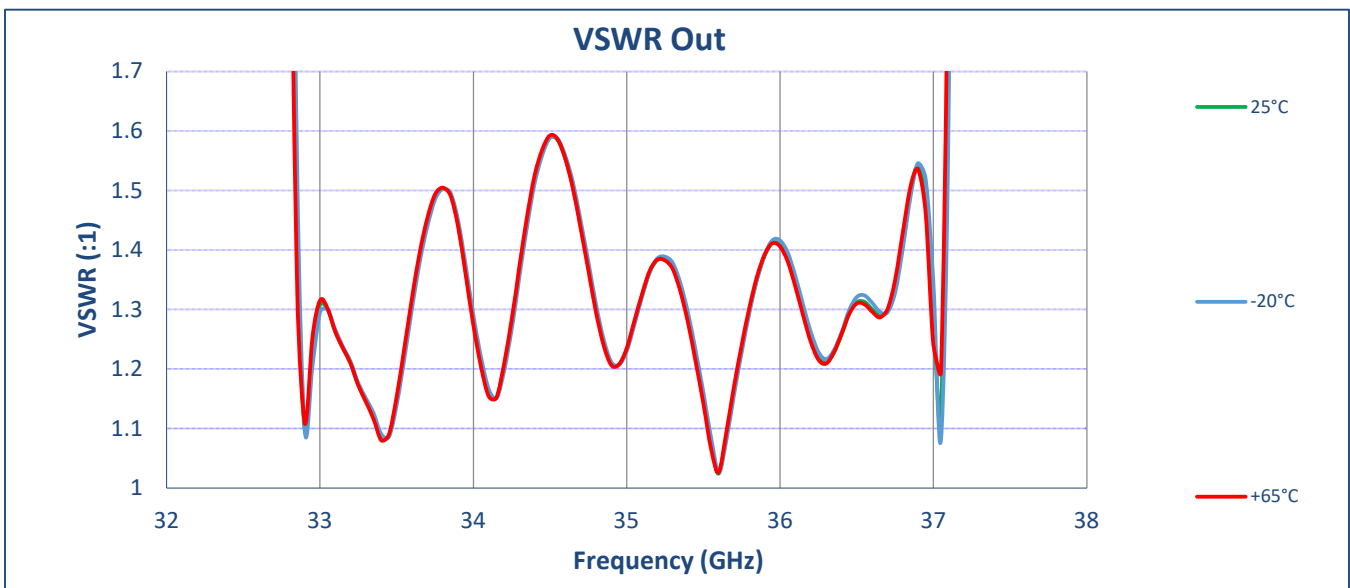
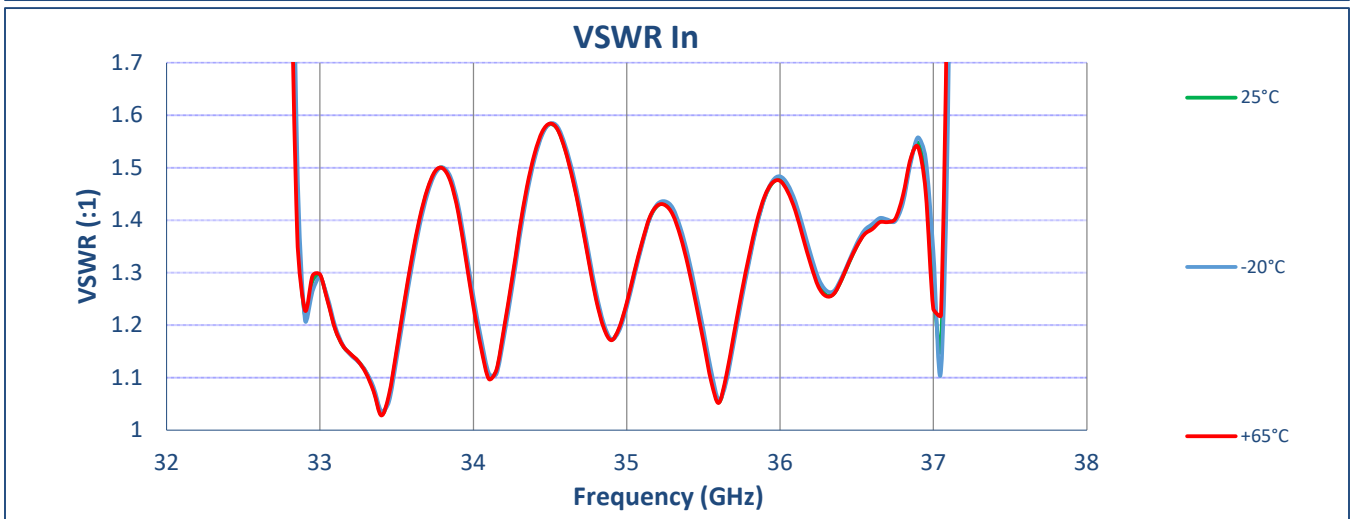
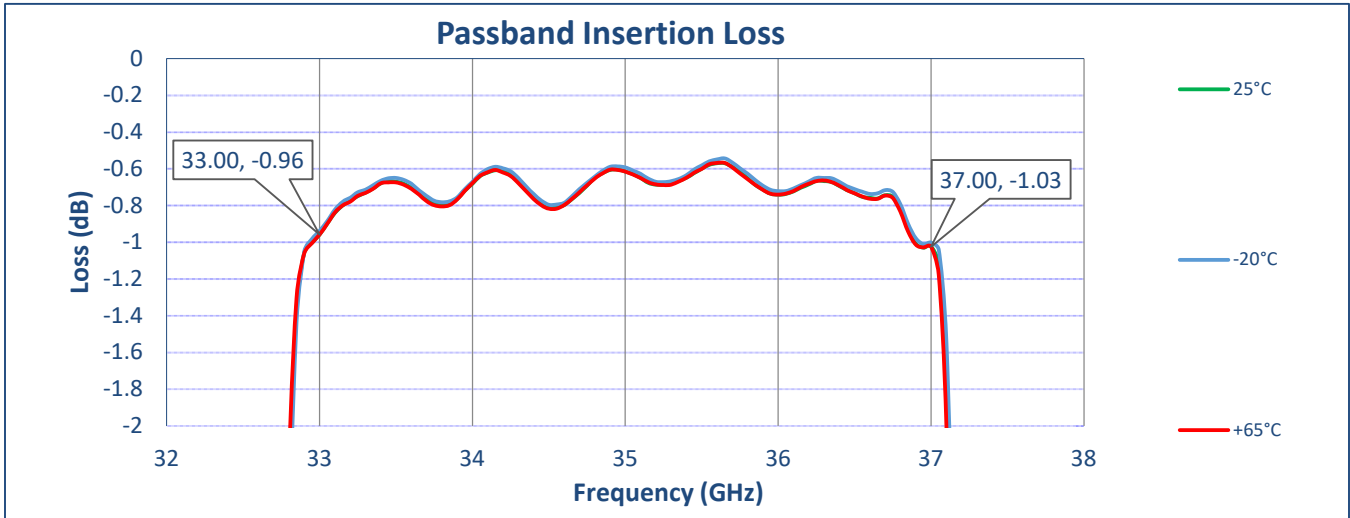
7309-A GROVE ROAD FREDERICK, MARYLAND 21704 USA
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ISO 9001 CERTIFIED

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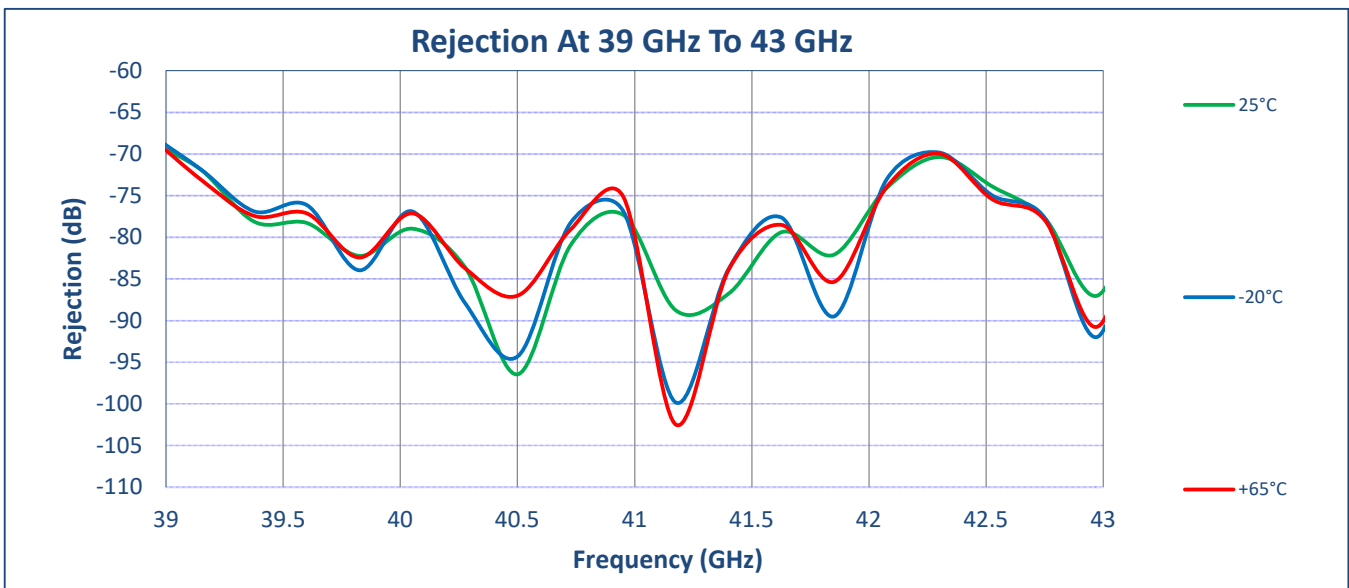
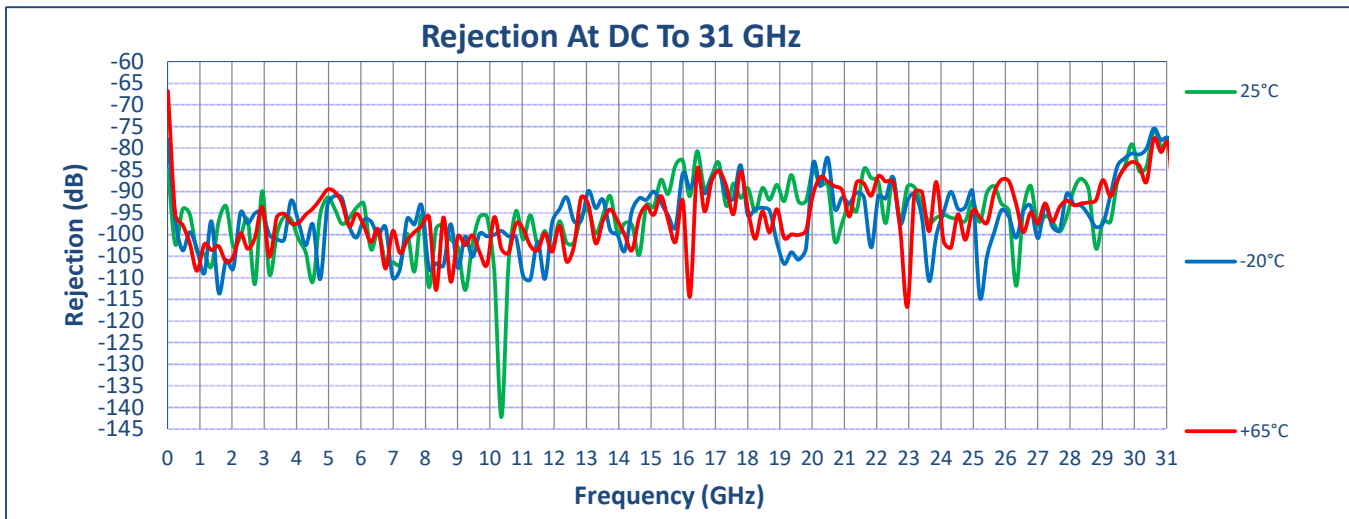
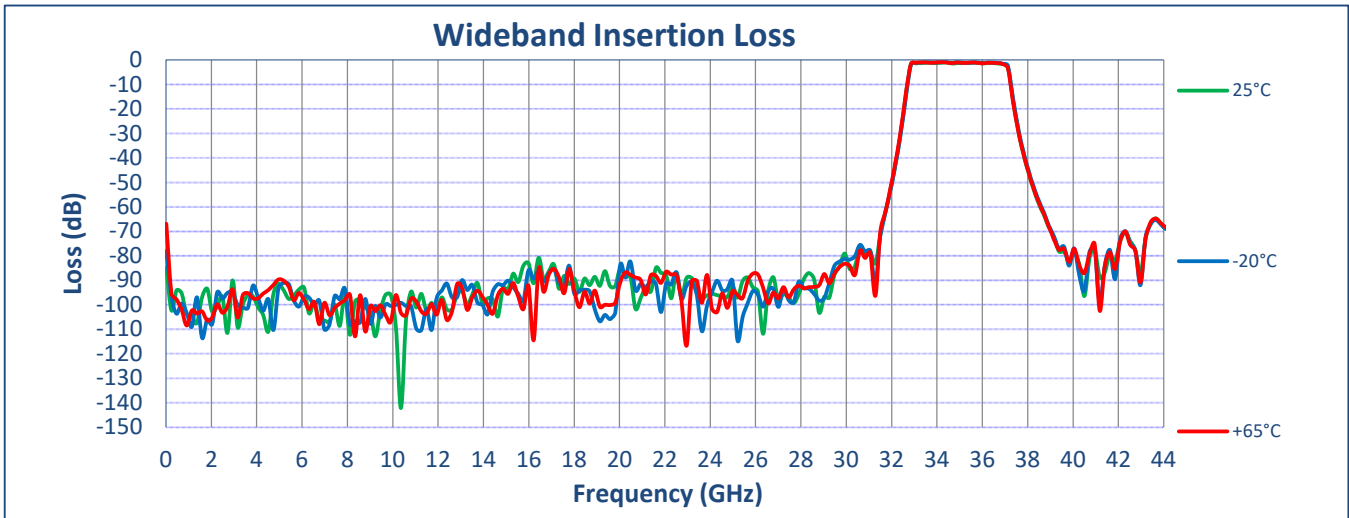
TEST DATA

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-20°C	+65°C
1	Passband Frequency Range	33 GHz to 37 GHz	32.85 GHz to 37.1 GHz 1 dB Passband	32.85 GHz to 37.1 GHz 1 dB Passband	32.85 GHz to 37.05 GHz 1 dB Passband
2	VSWR	1.6:1 dB Max.	1.59:1	1.59:1	1.59:1
3	Insertion Loss (Passband)	2 dB Max.	1.03 dB	1.01 dB	1.03 dB
4	Rejection	60 dB Min., DC to 31 GHz	76 dB	75.5 dB	66.8 dB
5	Rejection	60 dB Min., 39 GHz to 43 GHz	68.2 dB	67.4 dB	67.8 dB
6	Input Power	5 Watts Max.	See Graphs		

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