

TYPICAL REPORT FOR BPF-29G-22G-292F

PMI MODEL: BPF-29G-22G-292F IS A BANDPASS FILTER WITH 2.92MM FEMALE CONNECTORS



REPORTED BY: V. PRATAP
TESTED BY: E. KRETZ
DATE: 07/10/2025

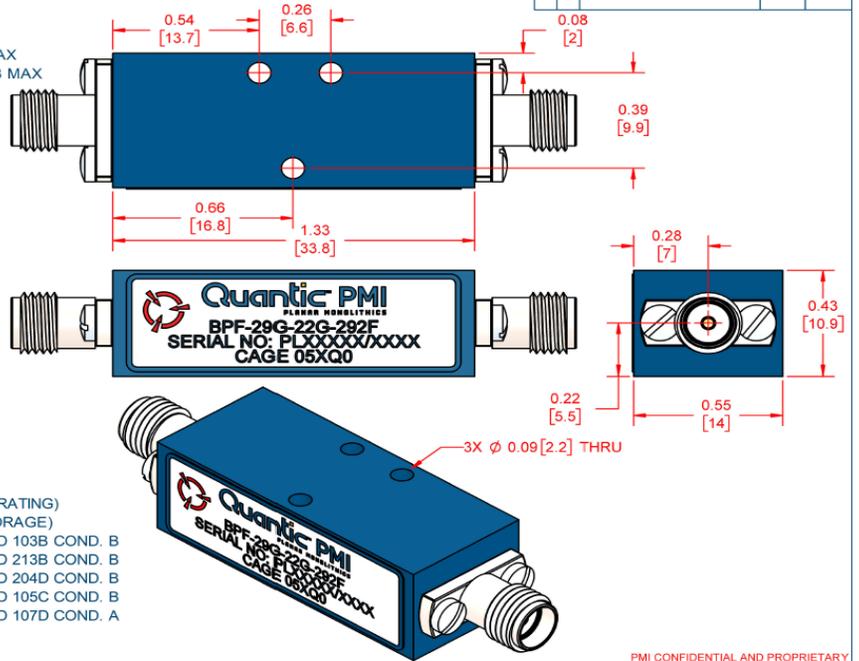
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DESCRIPTION:

PMI MODEL: BPF-29G-22G-292F IS A BANDPASS FILTER WITH 2.92mm FEMALE CONNECTORS.

SPECIFICATIONS:

- FREQUENCY RANGE (-1dB BANDWIDTH):.....18 GHz TO 40 GHz
- INSERTION LOSS:..... 2.0 dB TYP, 3.5 dB MAX
- PASSBAND RIPPLE:.....±0.75 dB TYP, ±1.0 dB MAX
- VSWR:..... 2.5:1 TYP, 3.0:1 MAX
- REJECTION @ 16.5 GHz:..... 20 dB MIN, 25 dB TYP
- REJECTION @ 41.5 GHz:..... 20 dB MIN, 25 dB TYP
- INPUT POWER:..... 1 W MAX
- IMPEDANCE:..... 50 Ω
- CONNECTORS:..... 2.92mm FEMALE (X2)
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:.....-45°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- 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

PMI CONFIDENTIAL AND PROPRIETARY

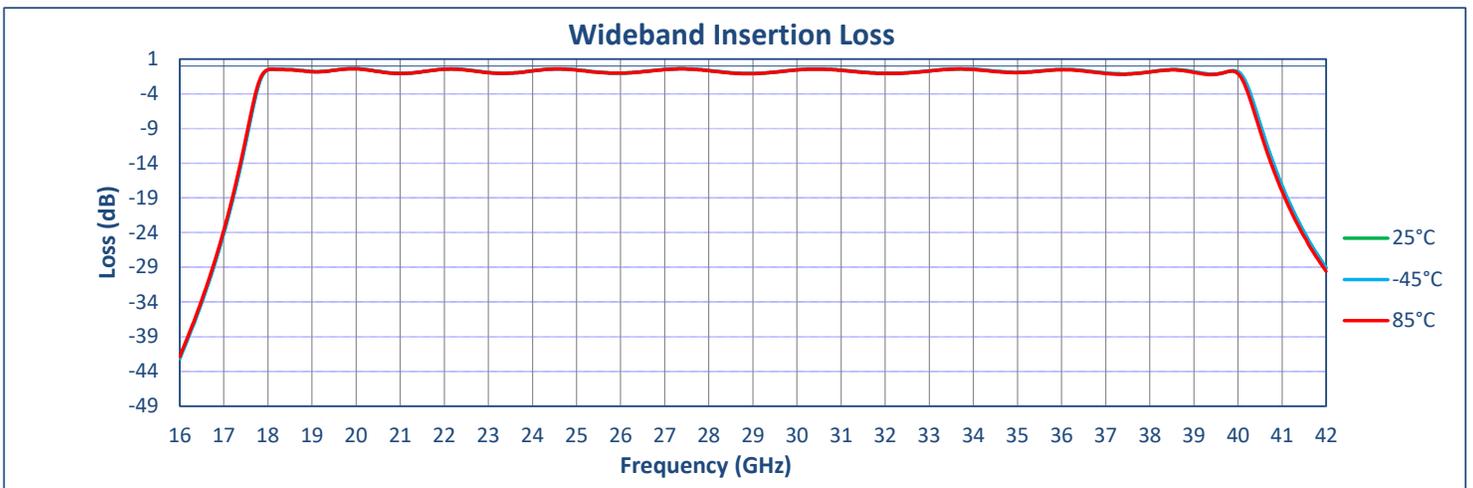
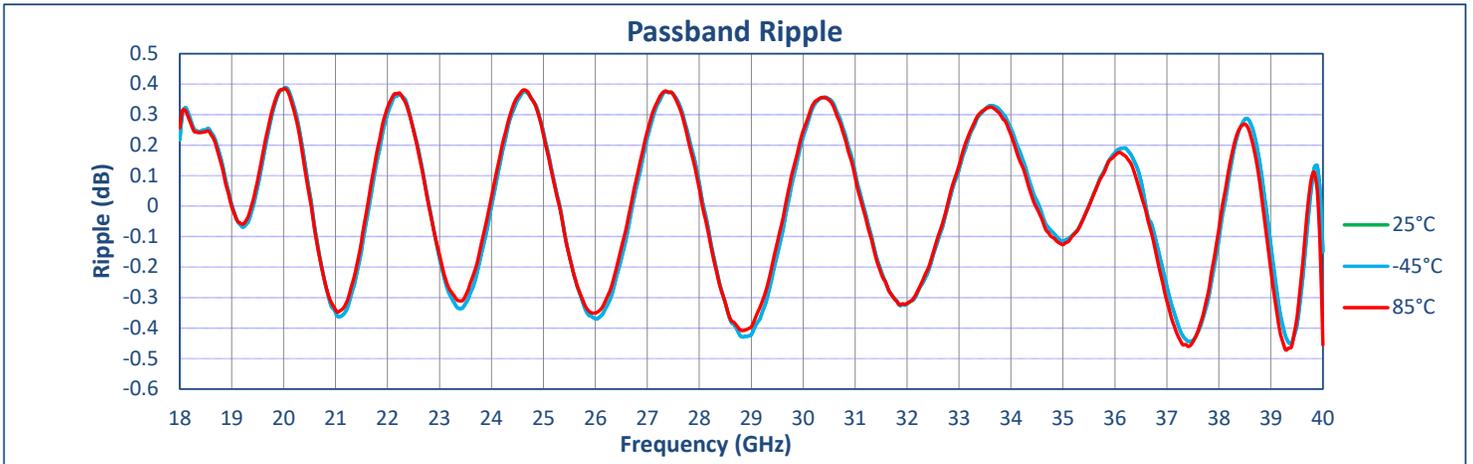
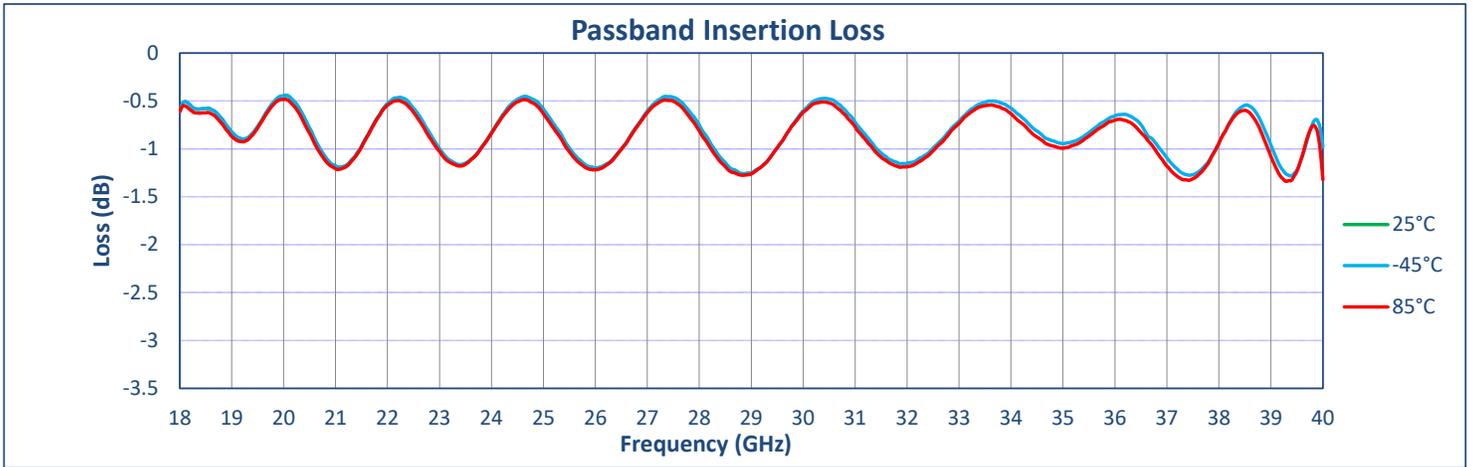
NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

APPROVALS		DATE	TITLE		REV
DRAWN V. PRATAP		4/18/2018	OUTLINE		
DESIGNED			SIZE	FORM NO.	REV
CHECKED			B	05XQ0	27051620
DATE			SCALE	3:1	SHEET 1 OF 1

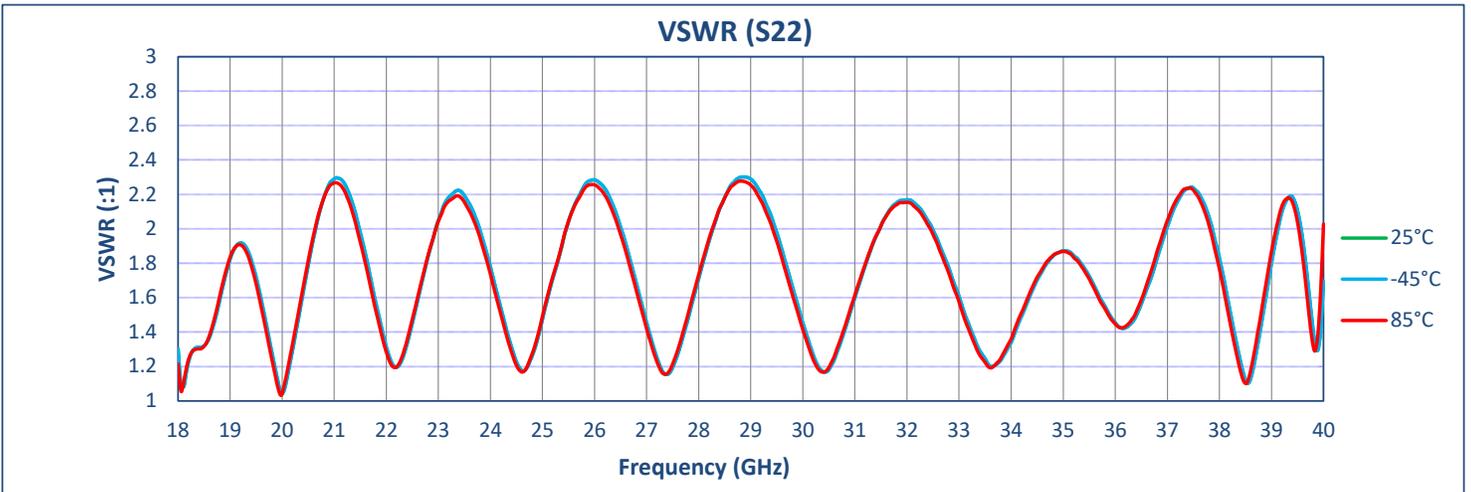
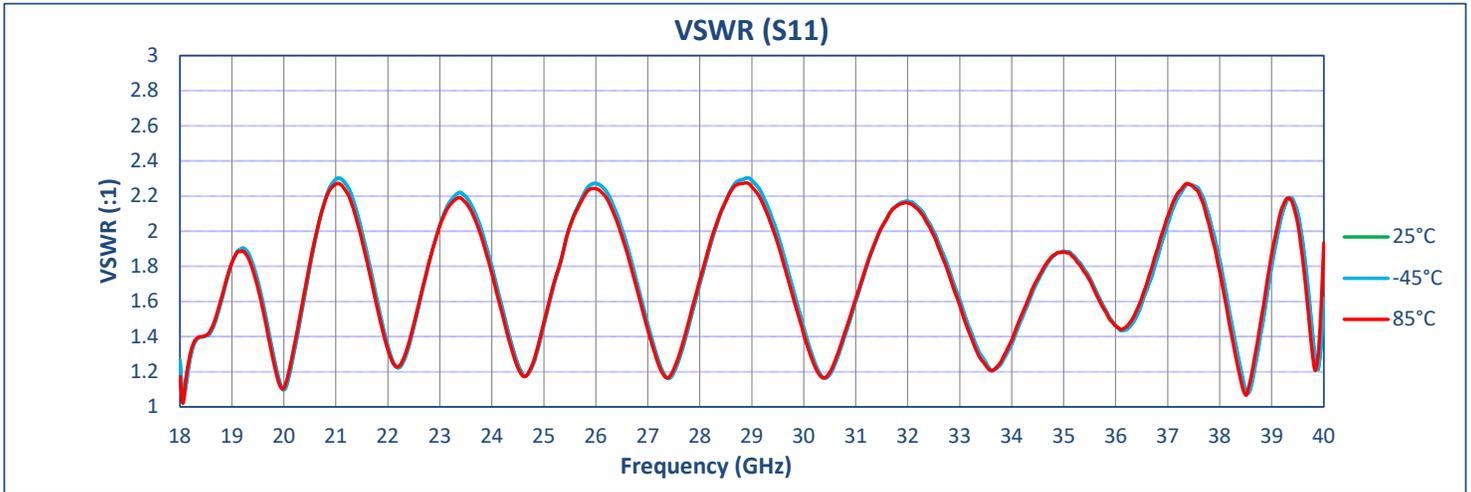
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TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			-45°C	+25°C	+85°C
1	Frequency Range (-1dB Bandwidth)	18 GHz TO 40 GHz	18 GHz TO 40 GHz		
2	Insertion Loss	2.0 dB TYP, 3.5 dB MAX	1.26 dB (See Graph)	1.29 dB (See Graph)	1.28 dB (See Graph)
3	Passband Ripple	±0.75 dB TYP, ±1.0 dB MAX	±0.42 dB (See Graph)	±0.43 dB (See Graph)	±0.43 dB (See Graph)
4	VSWR	2.5:1 TYP, 3.0:1 MAX	2.3:1 (See Graph)	2.3:1 (See Graph)	2.3:1 (See Graph)
5	Rejection @ 16.5 GHz	20 dB MIN, 25 dB TYP	33.6 dB (See Graph)	33.4 dB (See Graph)	33.3 dB (See Graph)
6	Rejection @ 41.5 GHz	20 dB MIN, 25 dB TYP	24.4 dB (See Graph)	24.8 dB (See Graph)	25 dB (See Graph)
7	Input Power	1W MAX	1W (See Graph)		

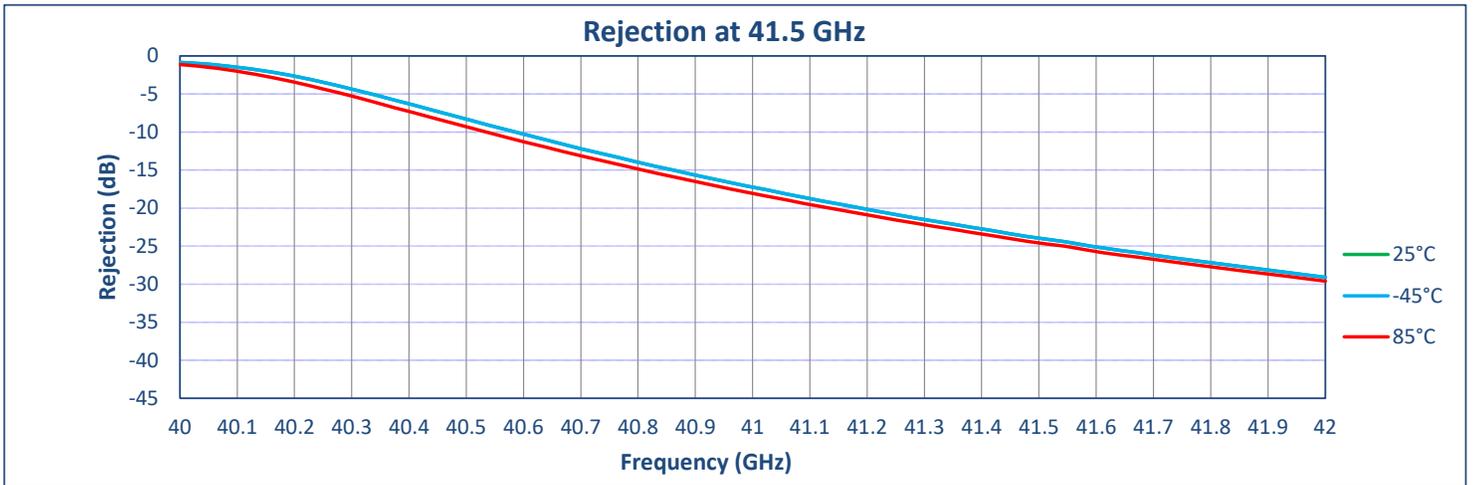
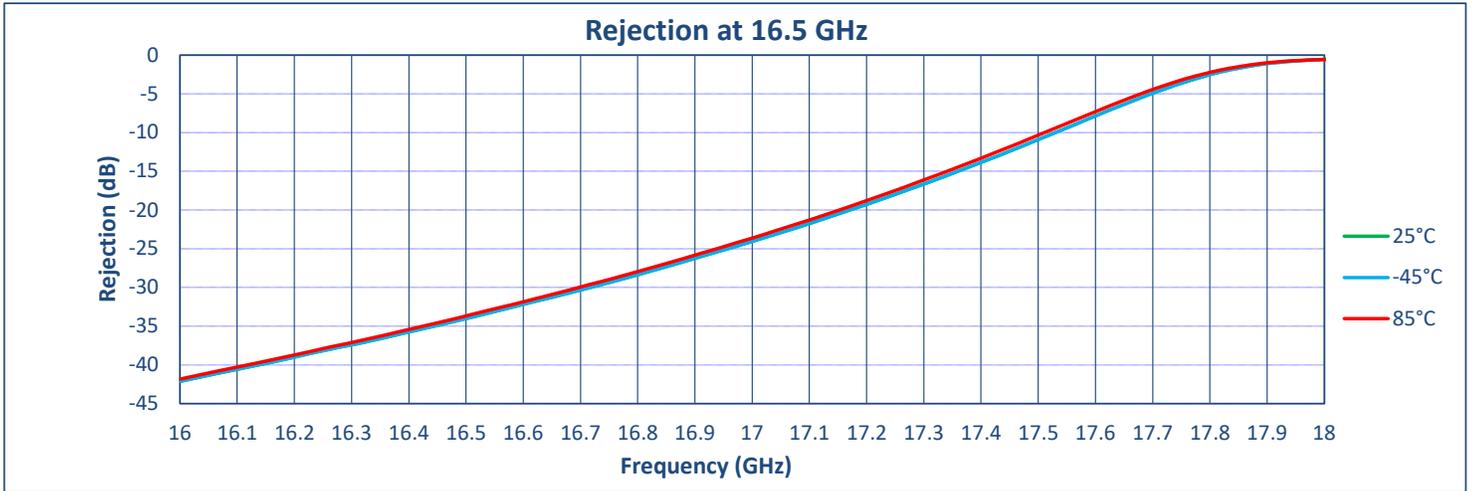
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