

**TYPICAL CHARACTERISTICS
ON
9LP290-3B-SFF**

PMI MODEL: 9LP290-3B-SFF IS AN LC LOWPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT.



**REPORTED BY: V. PRATAP
TESTED BY: E. KRETZ
DATE: 6/9/2025**

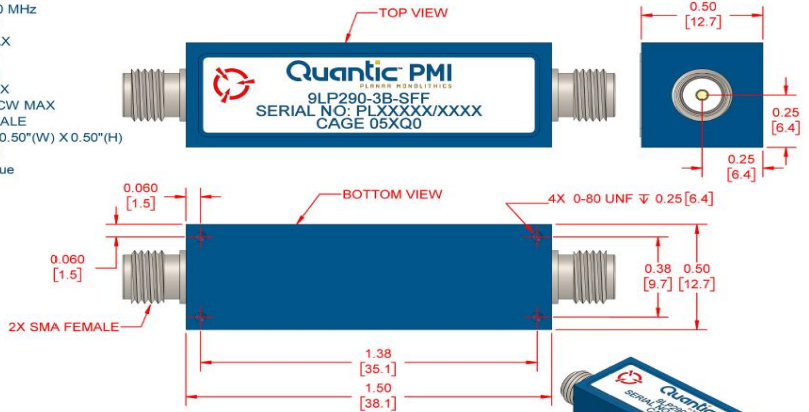
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PRODUCT FEATURE

DESCRIPTION:
PMI MODEL: 9LP290-3B-SFF IS AN LC LOWPASS FILTER WITH SMA FEMALE CONNECTORS.

- SPECIFICATIONS:**
- PASSBAND FREQUENCY: DC TO 290 MHz
 - INSERTION LOSS (PASSBAND): 2 dB MAX
 - PASSBAND RIPPLE: 0.5 dB MAX
 - PASSBAND PHASE LINEARITY: ±20° MAX
 - REJECTION @ 500-2000 MHz: 60 dB MIN
 - VSWR: 1.5 : 1 MAX
 - INPUT POWER: +30 dBm CW MAX
 - CONNECTORS: SMA FEMALE
 - SIZE: 1.50"(L) X 0.50"(W) X 0.50"(H)
 - WEIGHT: 1 OZ. TYP
 - FINISH: Painted Blue

- ENVIRONMENTAL RATINGS:**
- TEMPERATURE: 0°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
 - TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A



ZONE	REV	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/16/08	

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
V. PRATAP		4/16/08	OUTLINE	
DESIGNED BY			SIZE	9LP290-3B-SFF
CHECKED BY			QTY	05XQ0
DRAWN BY			REV	27051280
SCALE		3:1	SHEET 1 OF 1	

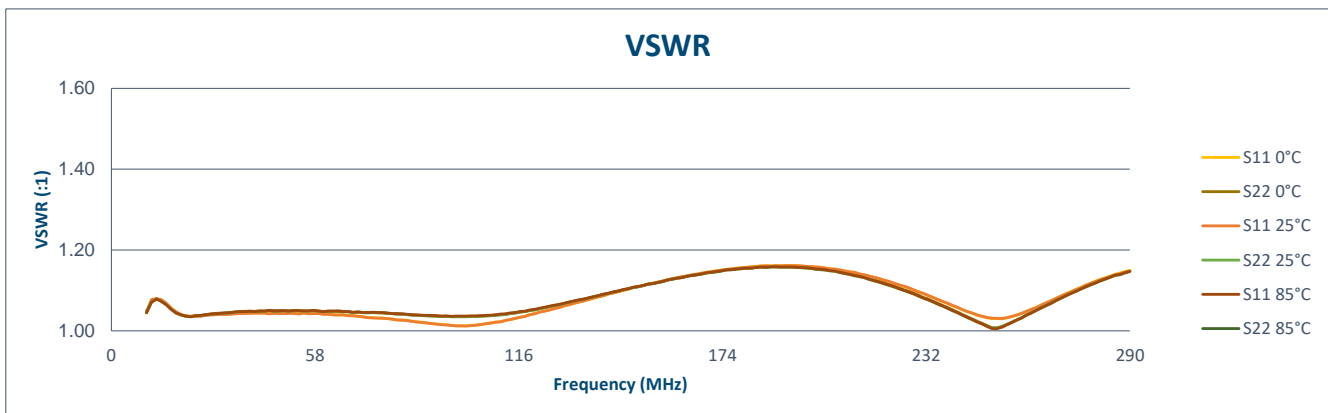
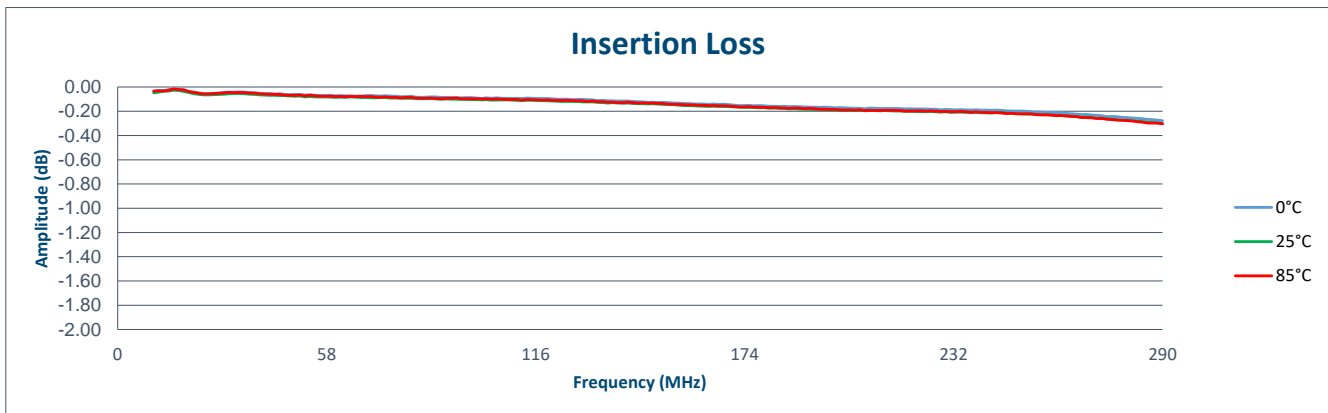
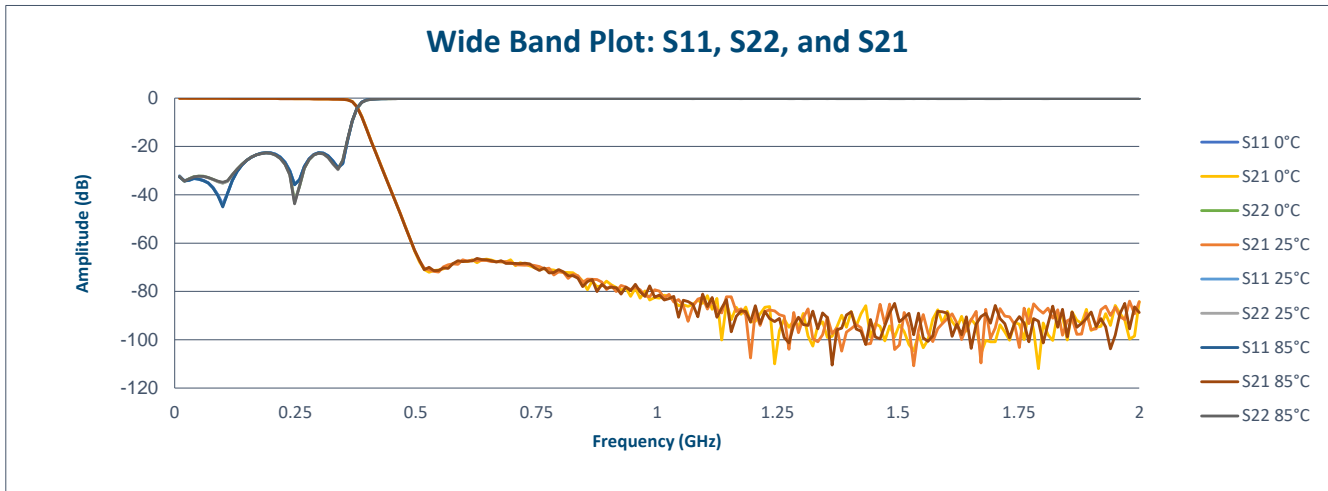
NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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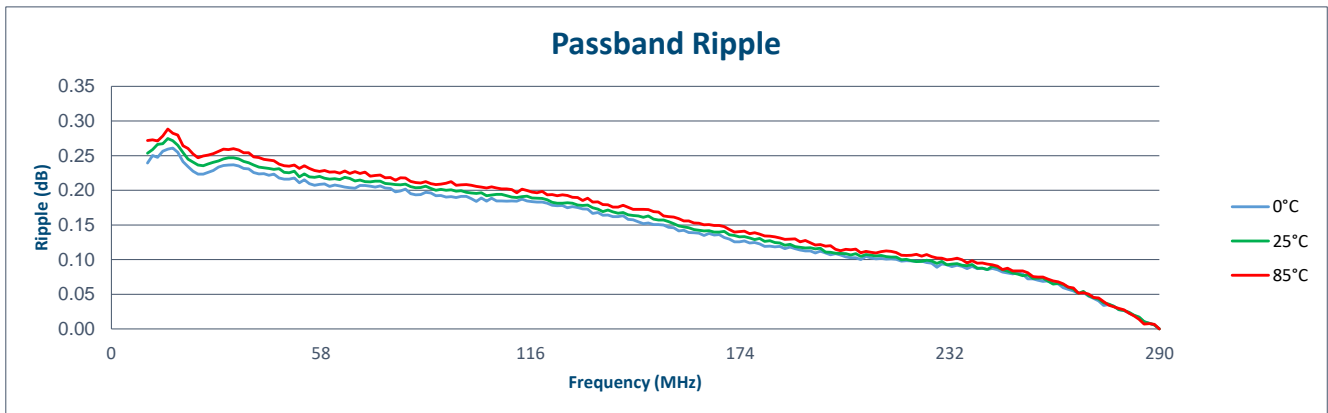
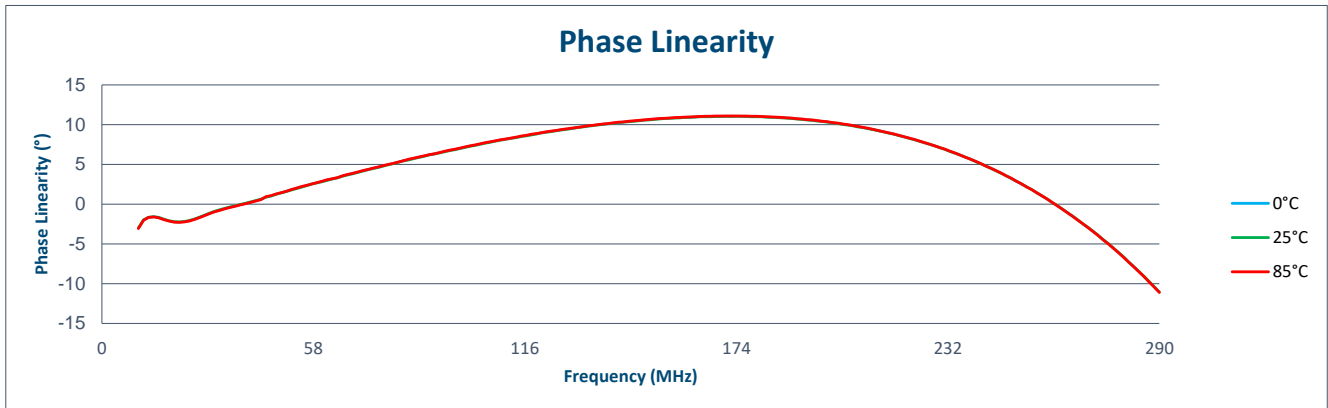
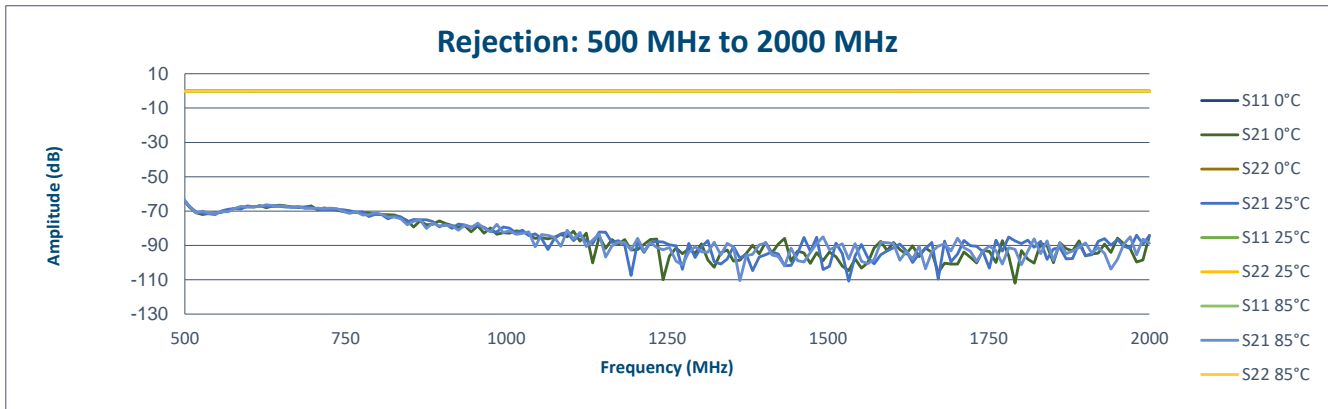
TECHNICAL SPECIFICATIONS

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			0°C	+25°C	+85°C
1	Passband Frequency	DC TO 290 MHz	DC TO 290 MHz	DC TO 290 MHz	DC TO 290 MHz
2	Insertion Loss (Passband)	2 dB MAX	0.28 dB (See Graph)	0.3 dB (See Graph)	0.3 dB (See Graph)
3	Passband Ripple	0.5 dB MAX	0.26 dB (See Graph)	0.27 dB (See Graph)	0.29 dB (See Graph)
4	Passband Phase Linearity	±20° MAX	±11° (See Graph)	±11° (See Graph)	±11° (See Graph)
5	Rejection @ 500-2000MHz	60 dB MIN	63.21 dB (See Graph)	62.87 dB (See Graph)	62.99 dB (See Graph)
6	VSWR	1.5 : 1 MAX	1.16:1 (See Graph)	1.16:1 (See Graph)	1.16:1 (See Graph)
7	Input Power	+30 dBm CW MAX	+30 dBm CW (See Graph)	+30 dBm CW (See Graph)	+30 dBm CW (See Graph)

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