



TYPICAL CHARACTERISTICS ON HP-2G-1780-SMA-FM

PMI MODEL NUMBER HP-2G-1780-SMA-FM IS A SUSPENDED HIGHPASS FILTER WITH SMA FEMALE AND MALE CONNECTORS.



DESIGNED BY: PMI ENGINEERING

TESTED BY: K. CRAVEN

REPORTED BY: E. CASTILLO

DATE: 08/25/26

TYPICAL CHARACTERISTICS ON HP-2G-1780-SMA-FM

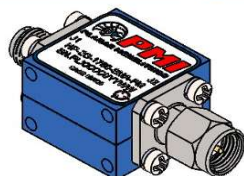
Product Feature

DESCRIPTION:

PMI MODEL NUMBER HP-2G-1780-SMA-FM IS A SUSPENDED HIGHPASS FILTER WITH SMA FEMALE AND MALE CONNECTORS.

SPECIFICATIONS:

- BASSPAND:..... 2000 MHz TO 18000 MHz
- 3dB CUT OFF FREQUENCY:..... 1780 MHz
- INSERTION LOSS (PASSBAND):..... 0.5 dB TYP, 1 dB MAX
- VSWR (PASSBAND):..... 1.5:1 TYP, 2.0:1 MAX
- REJECTION @ 870 MHz:..... 80 dB MIN
- CONNECTORS:..... J1 - SMA FEMALE
J2 - SMA MALE
- FINISH:..... PAINTED BLUE
- WEIGHT:..... 1 OZ MAX

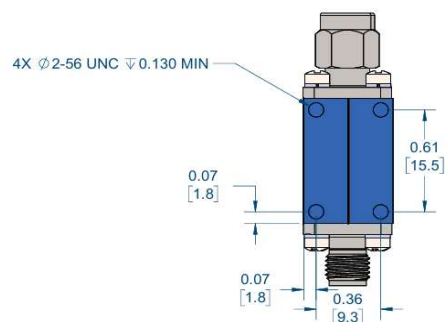
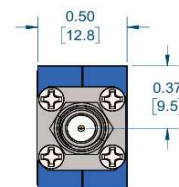
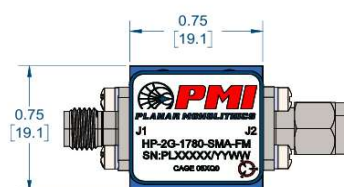


ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103 COND. B
- SHOCK:..... MIL-STD-202, METHOD 213 COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204 COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107 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	4/27/2026	



PMI CONFIDENTIAL AND PROPRIETARY

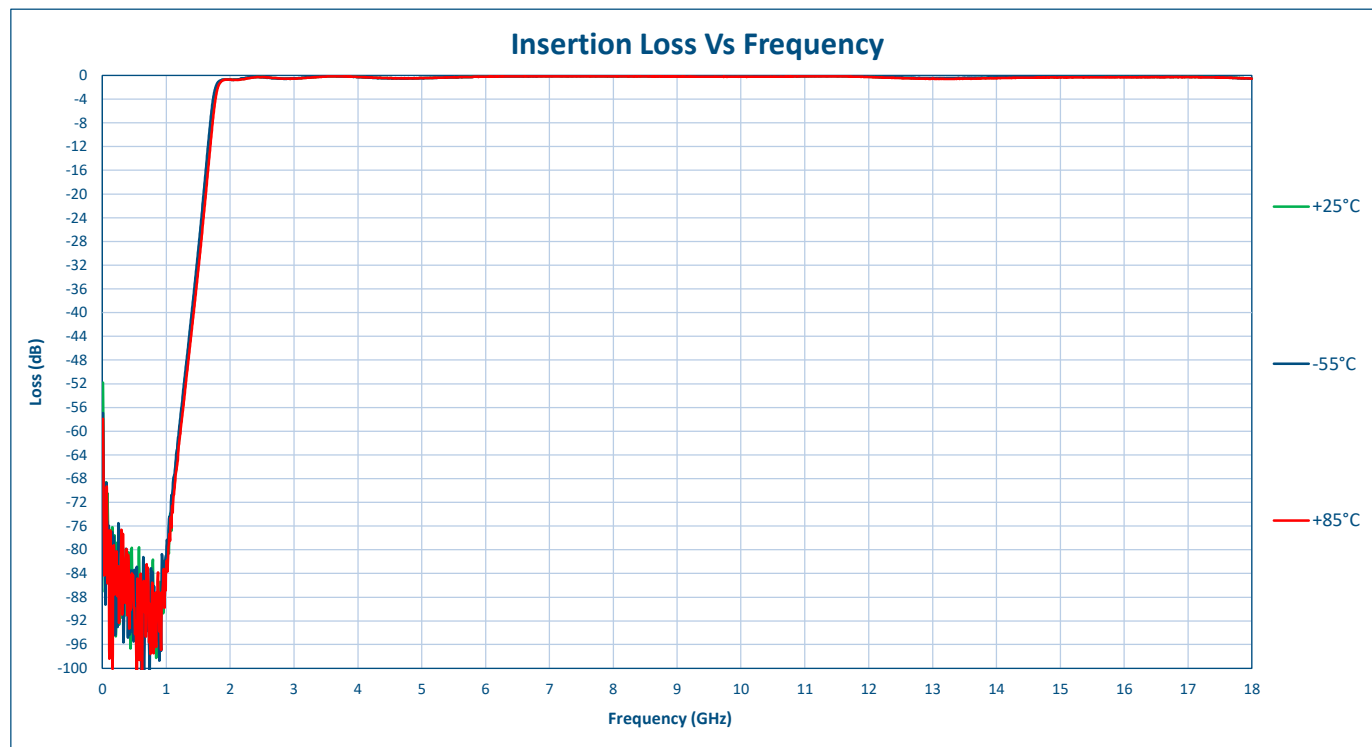
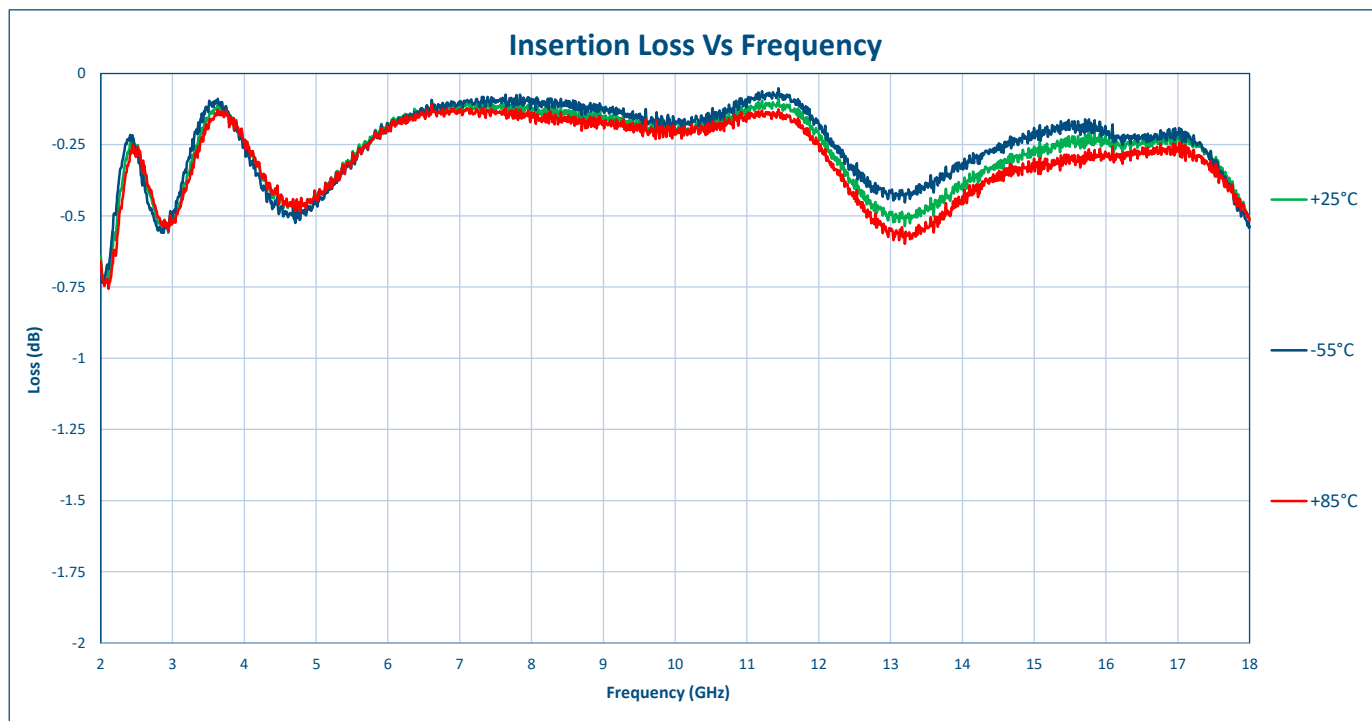
APPROVALS		DATE	TITLE	
DRAWN	E. Castillo	4/27/2026	OUTLINE	
ISSUED				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			SIZE	REV
			B	A1
			SCALE 2:1	
			SHEET 1 OF 1	

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Test Specifications

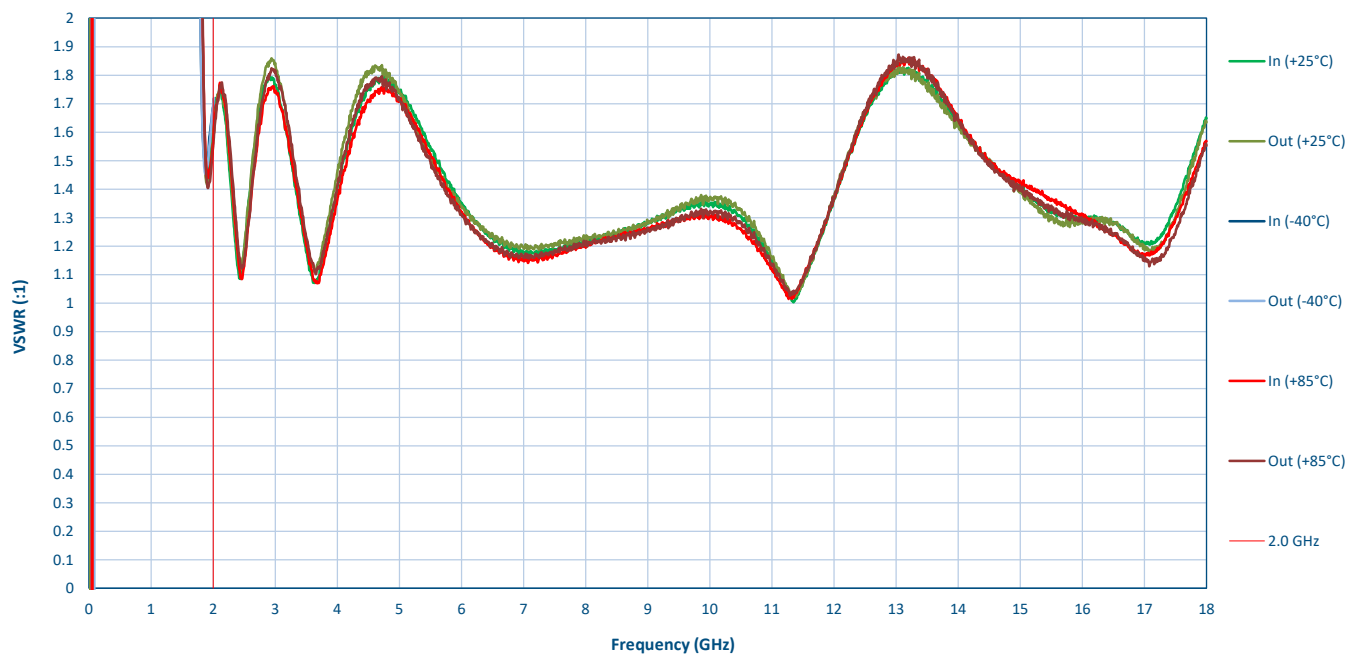
TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results		
			+25°C	-55°C	+85°C
1	Bassband	2000 MHz TO 18000 MHz	2000 MHz TO 18000 MHz		
2	3 dB Cut Off Frequency	1780 MHz Nominal	1780 MHz	1750 MHz	1790 MHz
3	Insertion Loss (Passband)	0.5 dB Typ 1.0 dB Max	0.73 dB	0.74 dB	0.76 dB
			See Graph		
4	VSWR (Passband)	1.5:1 Typ 2.0:1 Max	1.86 :1	1.92 :1	1.87 :1
			See Graph		
5	Rejection @ 870 MHz	80 dB Min	87.76 dB	88.08 dB	83.83 dB
			See Graph		
6	Weight	1 OZ. Max	0.76 OZ.		

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VSWR Vs Frequency



Rejection Vs Frequency

