

PMI MODEL NO. ISO-26-18-SMF IS A 2 TO 6 GHz COAXIAL ISOLATOR



Thursday, October 3, 2024

Designed and Reported By: M. Lulis

Tested By:  
Eric K.

**Outline Drawing**

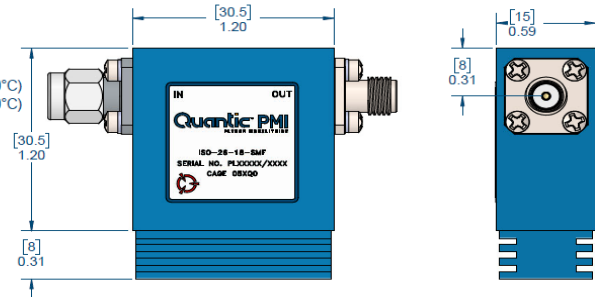
**DESCRIPTION:**

PMI MODEL NO. ISO-26-18-SMF IS A 2 TO 6 GHz COAXIAL ISOLATOR

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	01/10/04	
	A2	ECN # 25-0201	09/09/04	

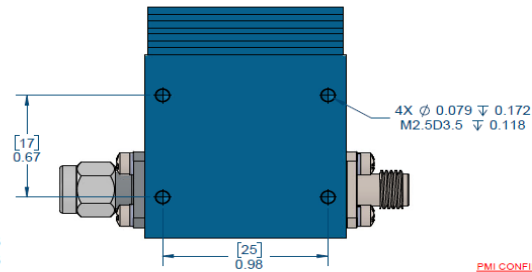
**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 2.0 TO 6.0 GHz
- INSERTION LOSS:..... 0.8 dB MAX @ +20 TO +70°C  
1.5 dB MAX (2.0 - 2.5 GHz @ -40 TO +20°C)  
0.8 dB MAX (2.5 - 6.0 GHz @ -40 TO +20°C)
- ISOLATION:..... 13 dB MIN
- VSWR:..... 1.5:1 MAX
- FORWARD POWER:..... 100 W
- REVERSE POWER:..... 100 W
- CONNECTORS:..... SMA MALE / SMA FEMALE
- SIZE:..... 1.2" X 1.5" X 0.6"
- FINISH:..... PAINTED BLUE



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +70°C (OPERATING)
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B



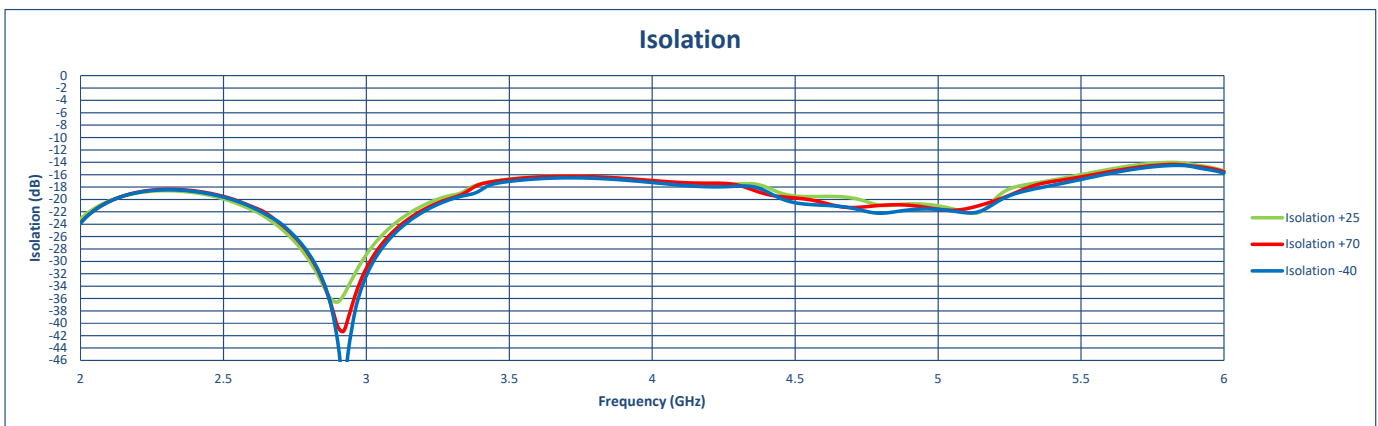
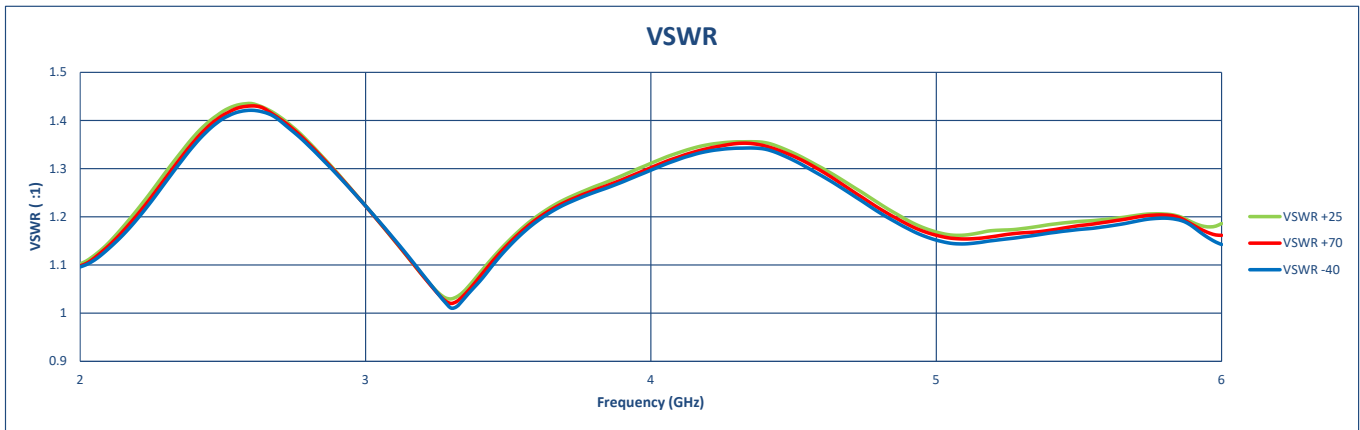
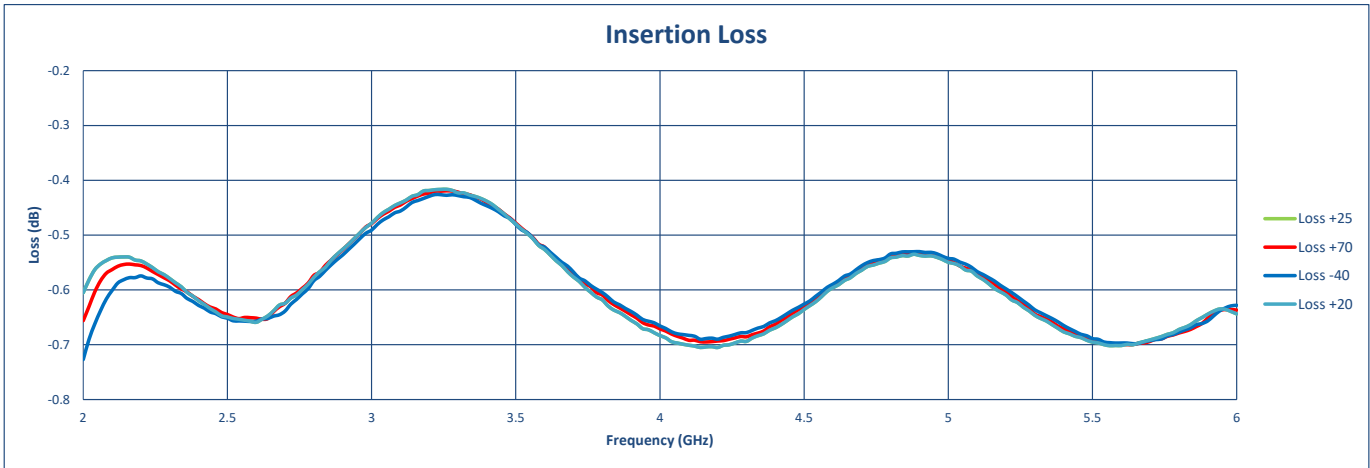
NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	QUANTIC PMI	
DESIGN	M. LAULIS	01/10/04	7330-A GROVE ROAD, FREDERICK, MD 21704 USA WEB: WWW.QUANTICPMI.COM E-MAIL: SALES@QUANTICPMI.COM	
REVISION			TITLE: OUTLINE	
ISSUED			SIZE: FROM NO: DWG NO:	REV: A2
			S1: 05X00	27048920
			SCALE: 2:1	SHEET 1 OF 1

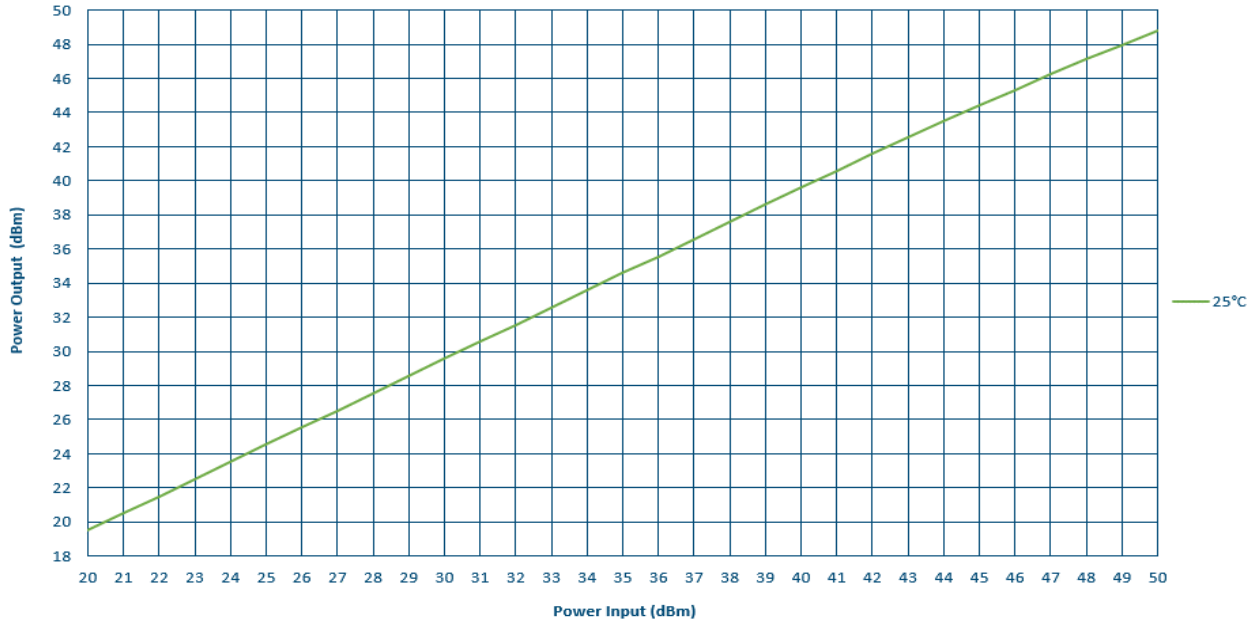
**TECHNICAL SPECIFICATIONS**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results			
			+25°C	+70°C	+20°C	-40°C
1	Frequency Range:	2 GHz to 6 GHz	2 GHz to 6 GHz			
2	Insertion Loss:	0.8 dB Max. (+20C to +70C) 1.5 dB Max. (2.0-2.5 GHz @ -40C to +20C) 0.8 dB Max. (2.0-2.5 GHz @ -40C to +20C)	0.61 dB See Graph	0.6 dB See Graph	0.61 dB See Graph	0.65 dB See Graph
3	VSWR:	1.5:1 Max.	1.44:1 See Graph	1.43:1 See Graph	1.43:1 See Graph	1.42:1 See Graph
4	Isolation:	13 dB Min.	14 dB	14.4 dB	14.4 dB	14.5 dB
5	Forward Power:	100 W	100W			
6	Reverse Power:	100 W	100W			

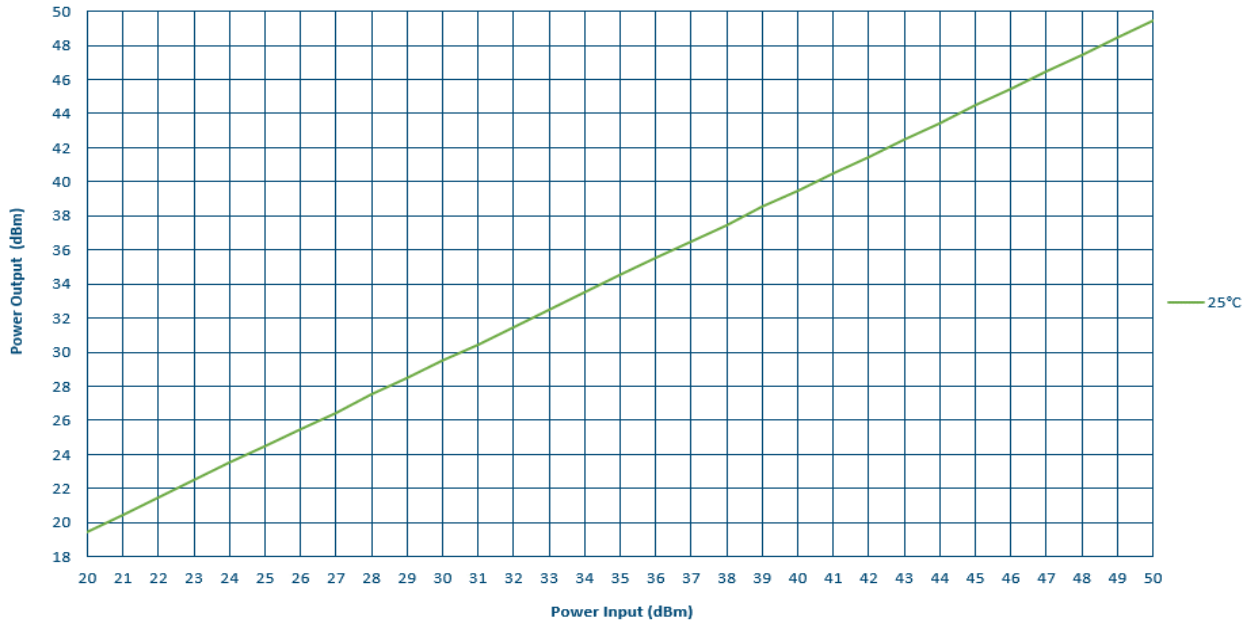


Forward Power:

**High Power Test Graph @ 2 GHz**

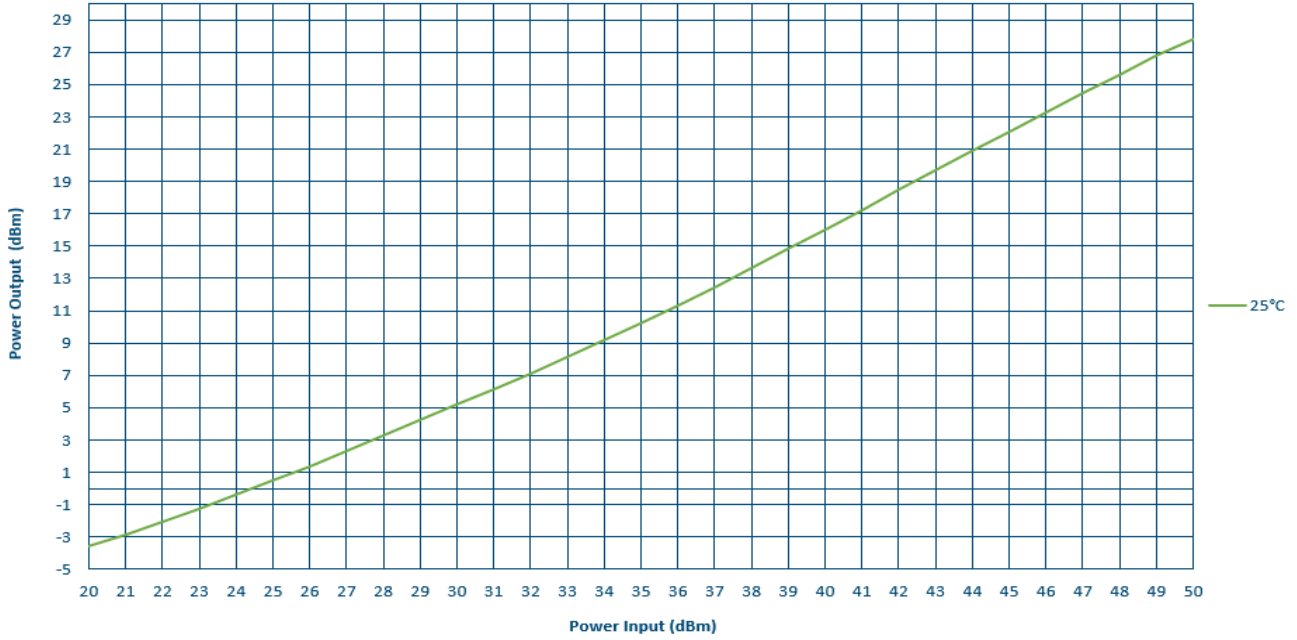


**High Power Test Graph @ 6 GHz**



Reverse Power

**High Power Test Graph @ 2 GHz**



**High Power Test Graph @ 6 GHz**

