

**Quantic™ PMI** TYPICAL CHARACTERISTICS  
PLANAR MONOLITHICS  
ON  
MA-1D5G2G-15DB-SFF

PMI MODEL NUMBER MA-1D5G2G-15DB-SFF IS A CONTINUOUSLY VARIABLE MECHANICAL ATTENUATOR THAT OPERATES OVER THE 1.5 TO 2.0 GHz FREQUENCY RANGE.



7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: sales@quanticpmi.com

# Quantic™ PMI PLANAR MONOLITHICS

## TYPICAL CHARACTERISTICS ON MA-1D5G2G-15DB-SFF

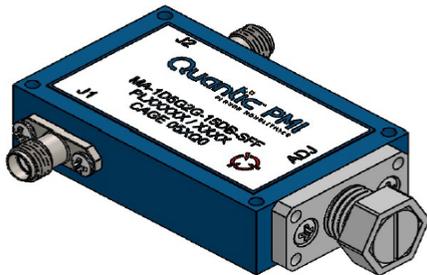
### OUTLINE DRAWING:

**DESCRIPTION:**

PMI MODEL NUMBER MA-1D5G2G-15DB-SFF IS A CONTINUOUSLY VARIABLE MECHANICAL ATTENUATOR THAT OPERATES OVER THE 1.5 TO 2.0 GHz FREQUENCY RANGE.

**SPECIFICATIONS:**

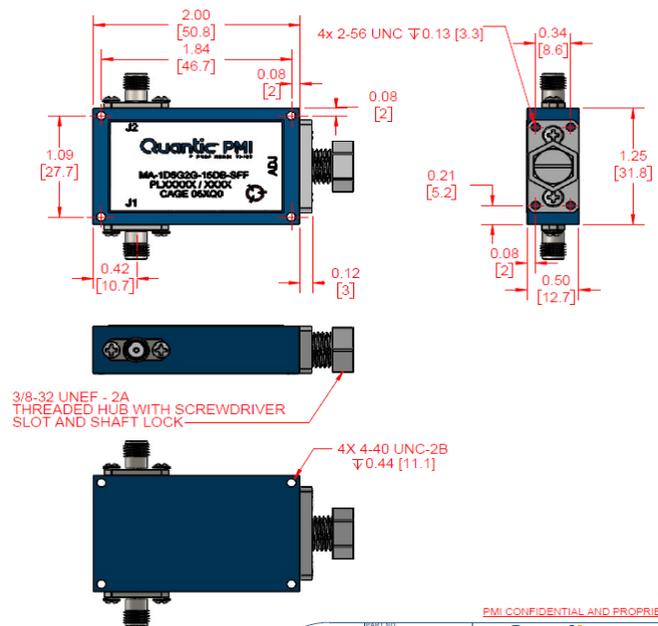
- FREQUENCY RANGE:..... 1.5 TO 2.0 GHz
- ATTENUATION:..... 0-15 dB
- INSERTION LOSS:..... 0.5 dB MAX
- VSWR:..... 1.7:1 MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -54°C TO +55°C (OPERATING)  
-57°C TO +85°C (STORAGE)
- HUMIDITY:..... 5 TO 95 %
- SHOCK:..... 15 g, 11 ms (6-AXIS)
- VIBRATION:..... MIL-E-5400T FIGURE 2 CURVE II (2 g)
- ALTITUDE:..... 30,000 ft. MAX

CON#	REV	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	5/29/20	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	SIZE	FIG#	FIG NO	REV NO	REV
DESIGNED	DATE		FINAL ASSEMBLY	B	05XQ0	27052080		A1
DRAWN	DATE		MA-1D5G2G-15DB-SFF					
CHECKED	DATE							
APPROVED	DATE							

SCALE 2:1 SHEET 1 OF 1

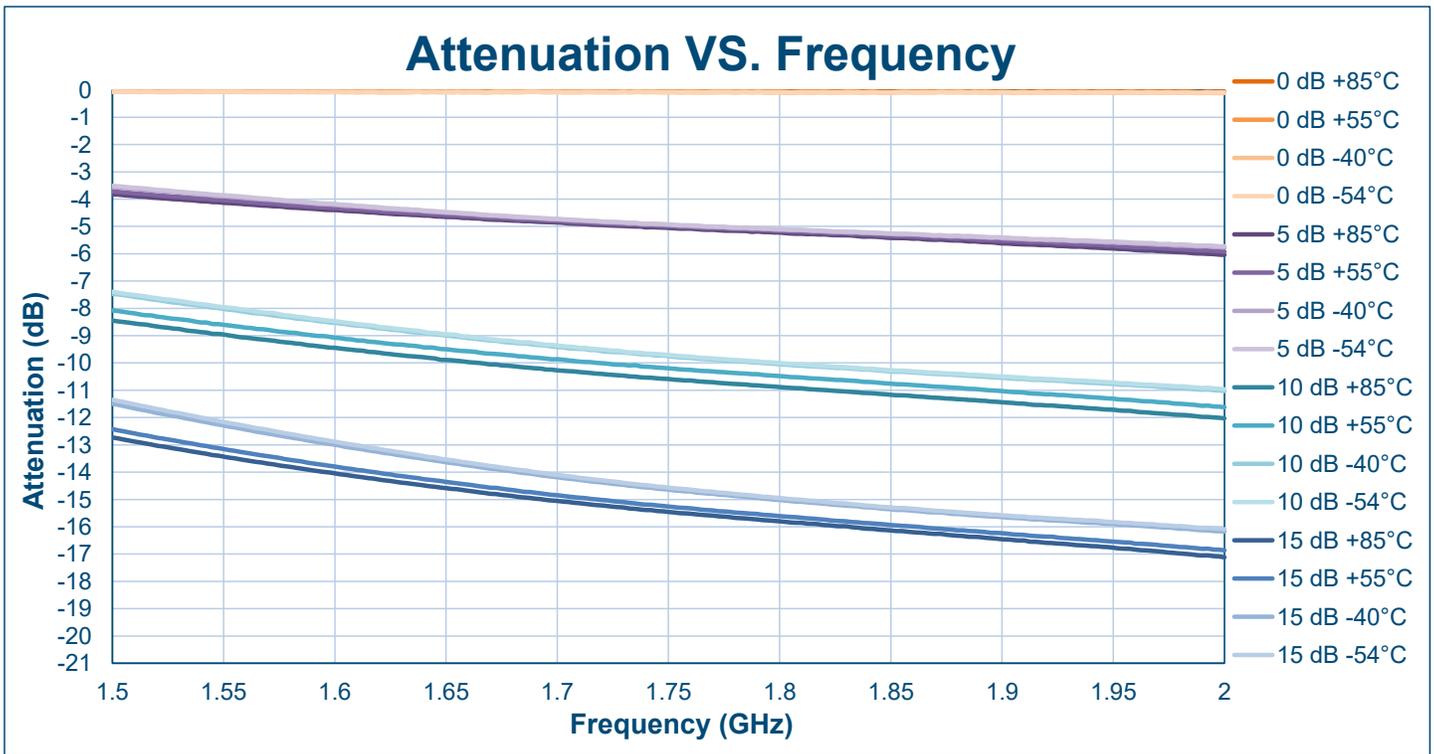
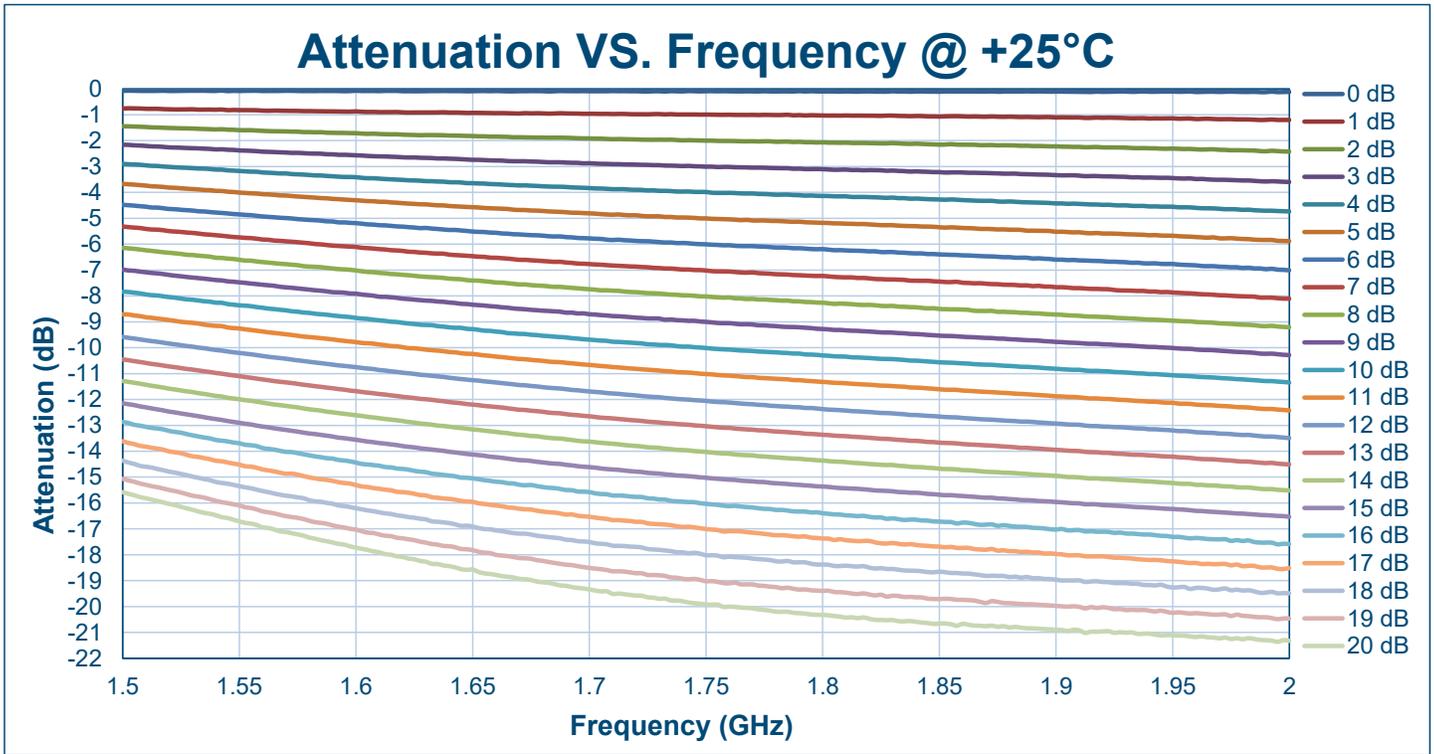
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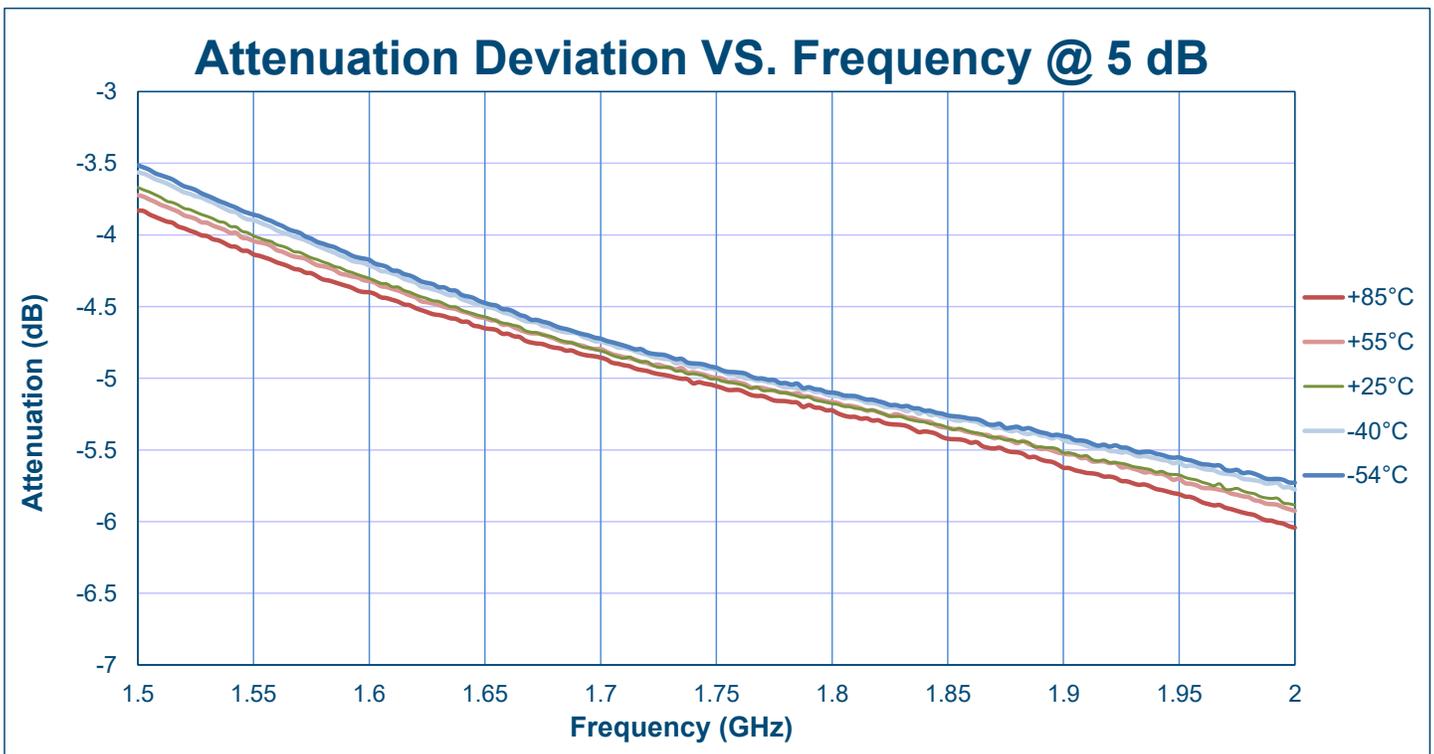
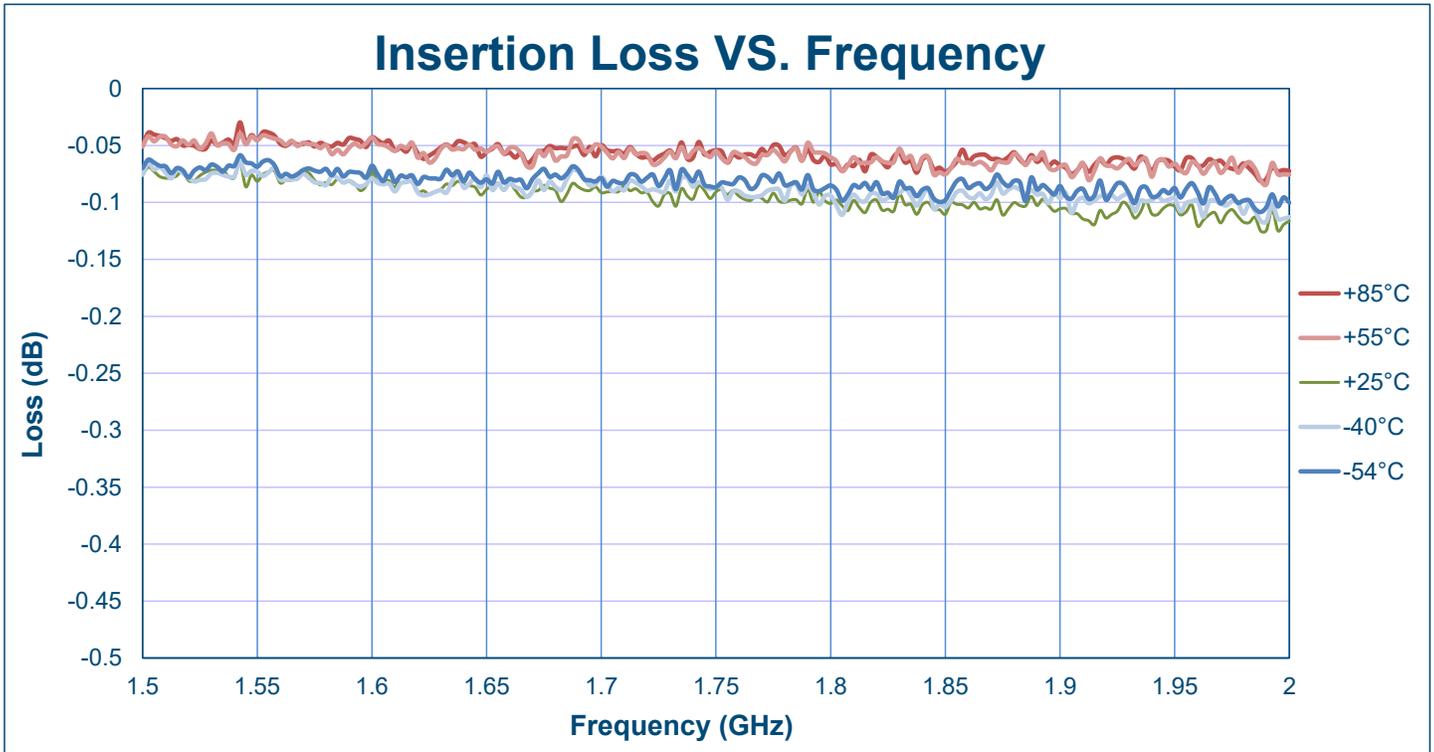
**TYPICAL CHARACTERISTICS  
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**TEST DATA:**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS				
			-54°C	-40°C	+25°C	+55°C	+85°C
1	Frequency Range:	1.5 GHz to 2 GHz	1.5 GHz to 2 GHz				
2	Attenuation:	0 to 15 dB	0 to 15 dB See Graphs				
3	Insertion Loss:	0.5 dB Max.	0.1 dB See Graph	0.12 dB See Graph	0.13 dB See Graph	0.09 dB See Graph	0.09 dB See Graph
4	VSWR:	1.7:1 Max.	1.61:1 See Graph	1.61:1 See Graph	1.63:1 See Graph	1.66:1 See Graph	1.69:1 See Graph

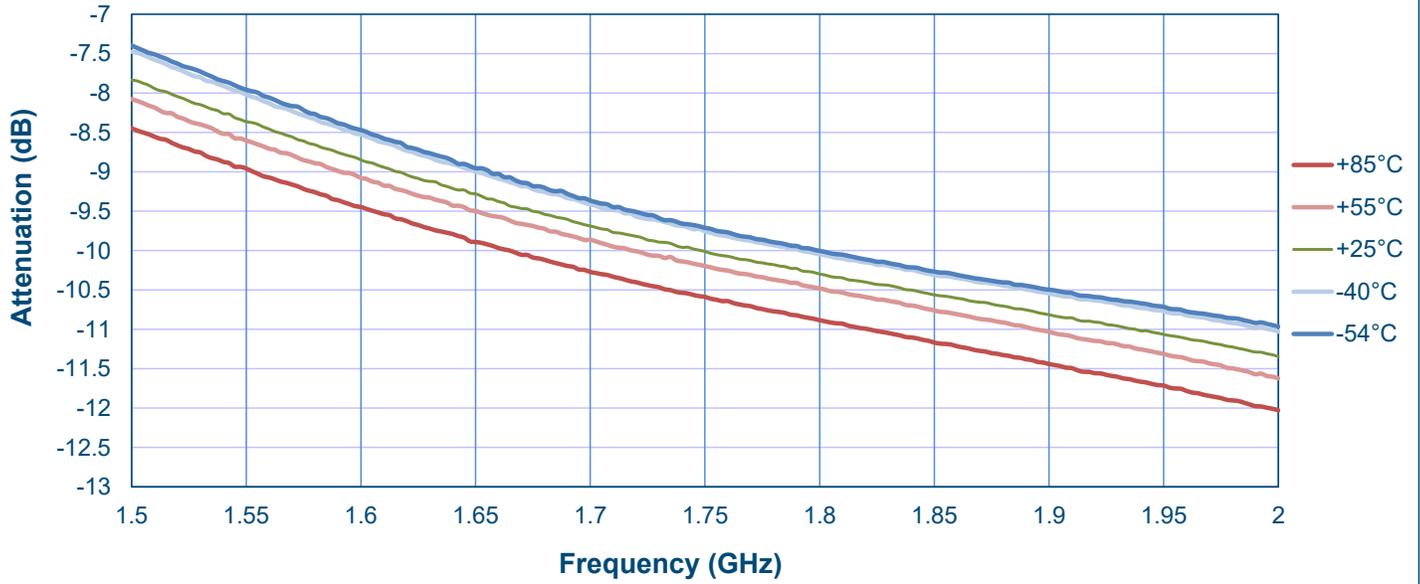
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**ON**  
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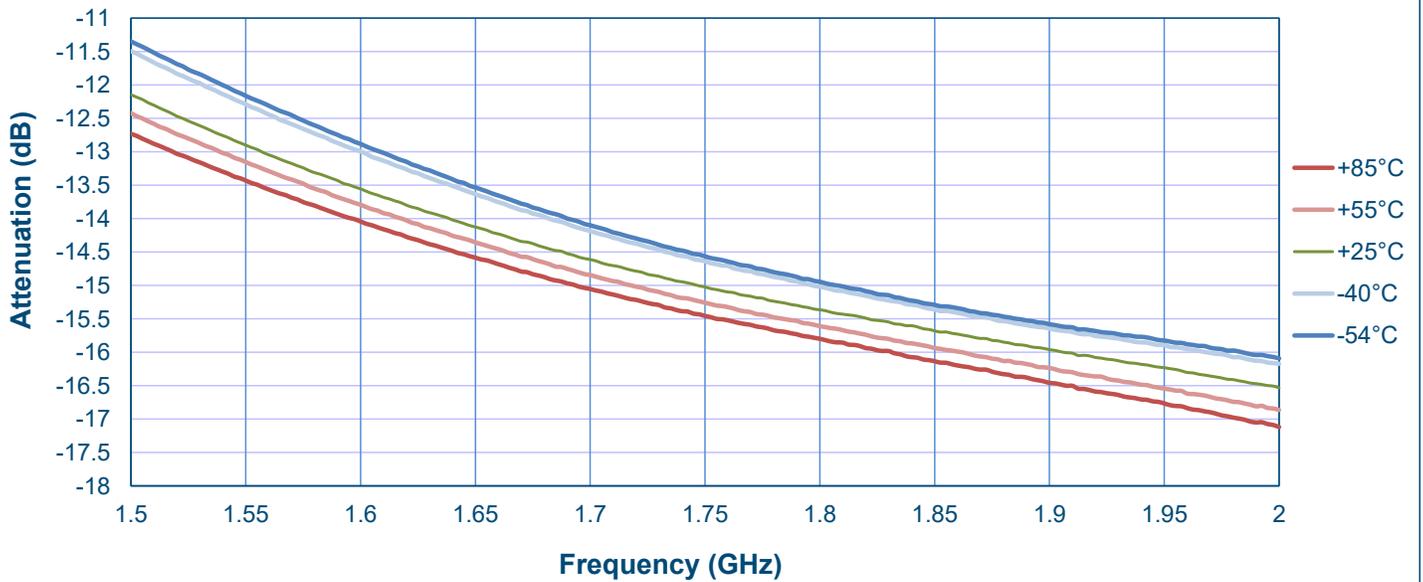


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**Attenuation Deviation VS. Frequency @ 10 dB**

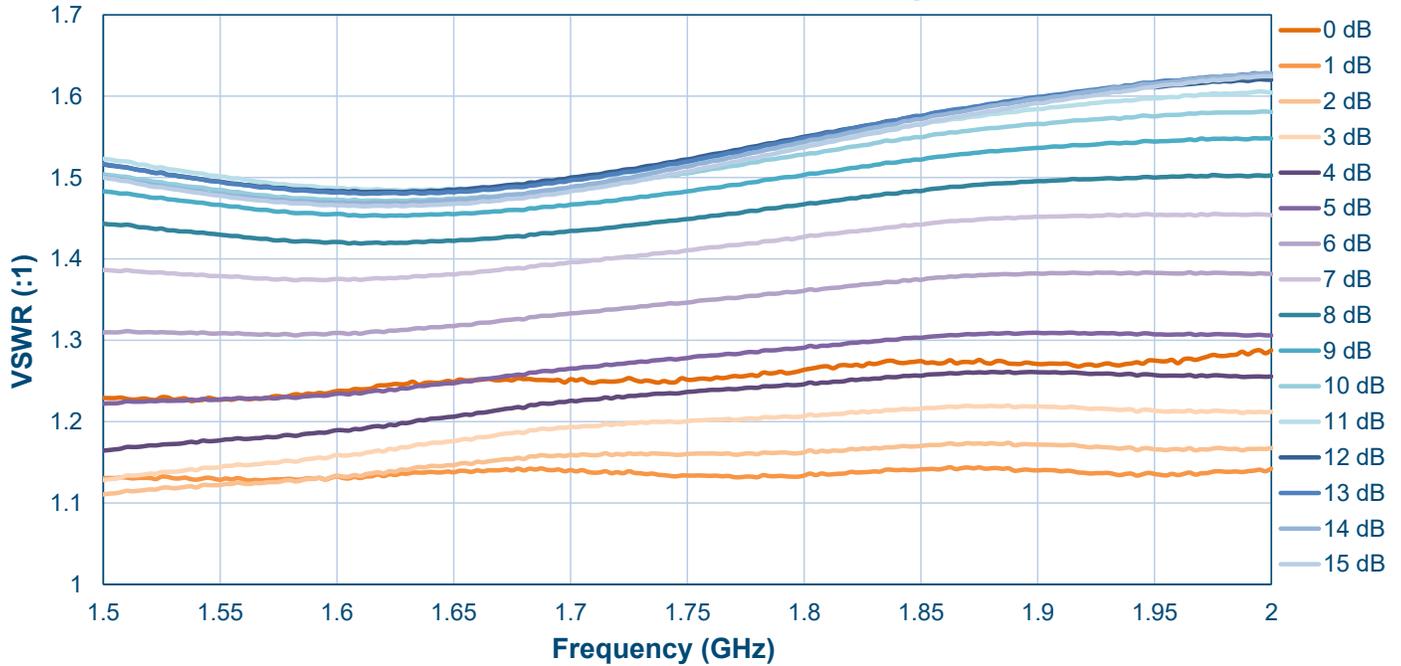


**Attenuation Deviation VS. Frequency @ 15 dB**

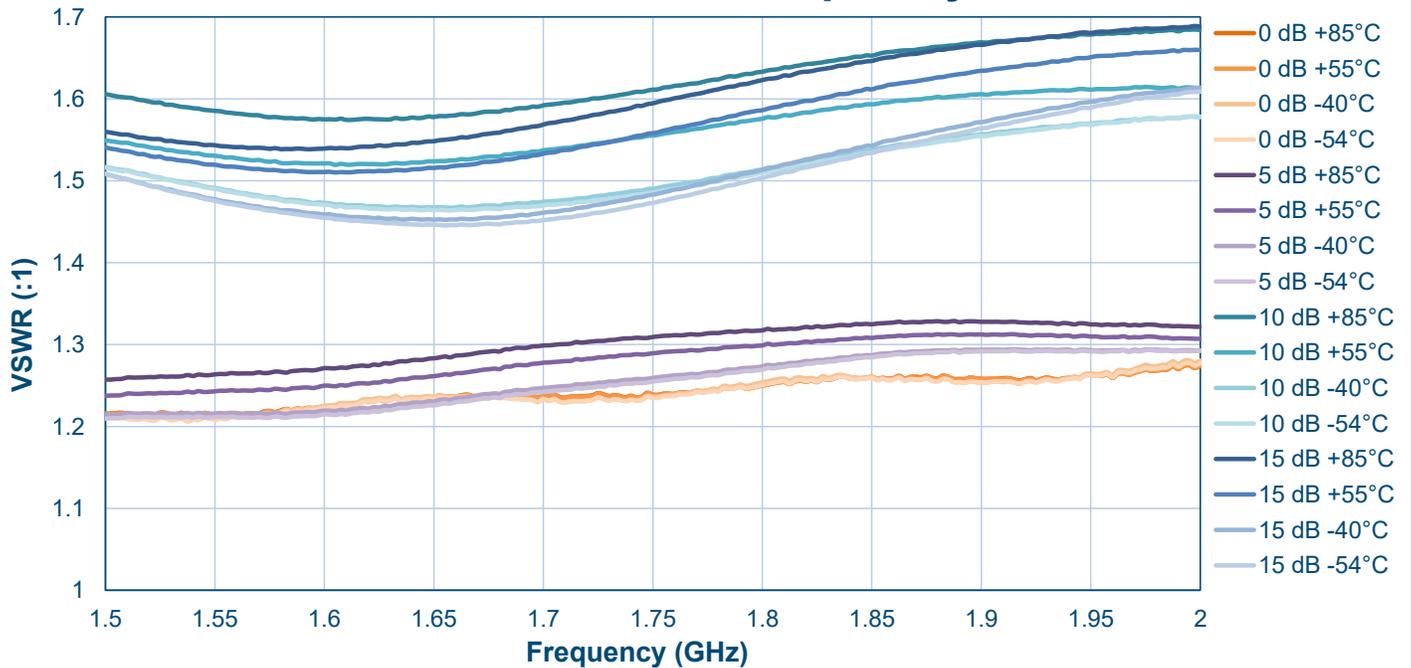


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**J1 VSWR VS. Frequency @ 25°C**

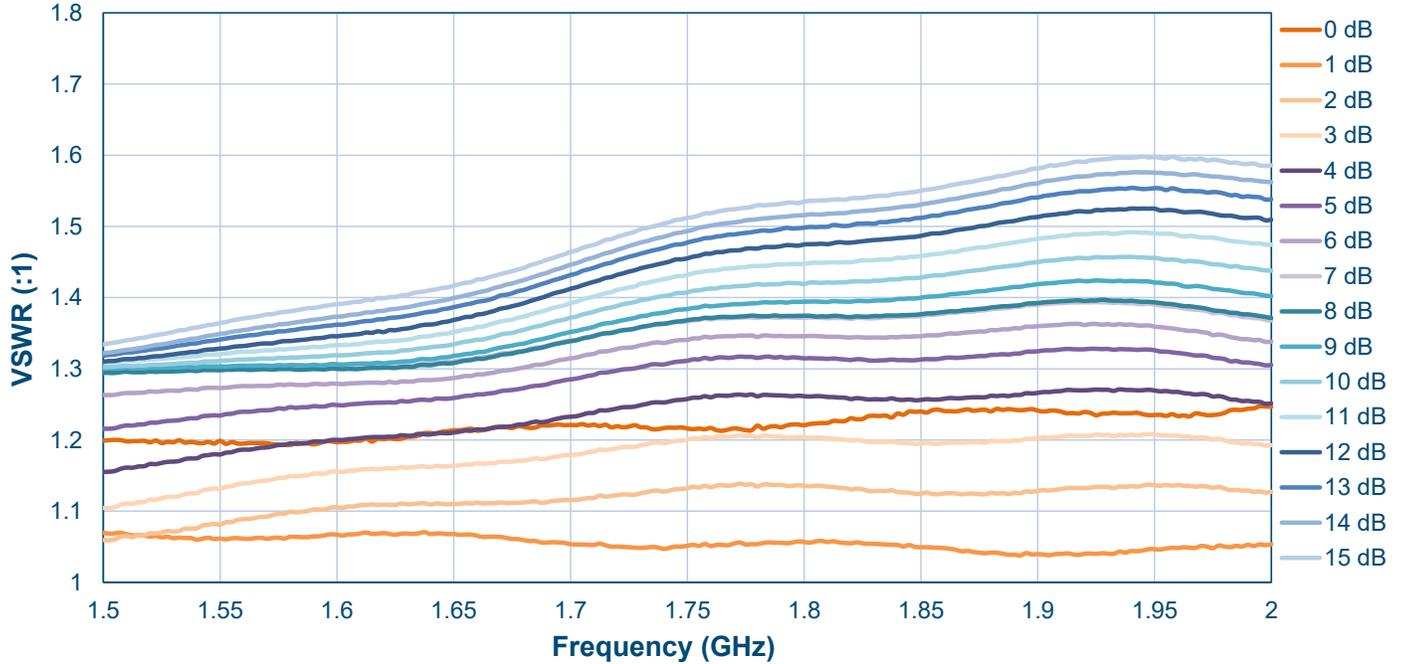


**J1 VSWR VS. Frequency**

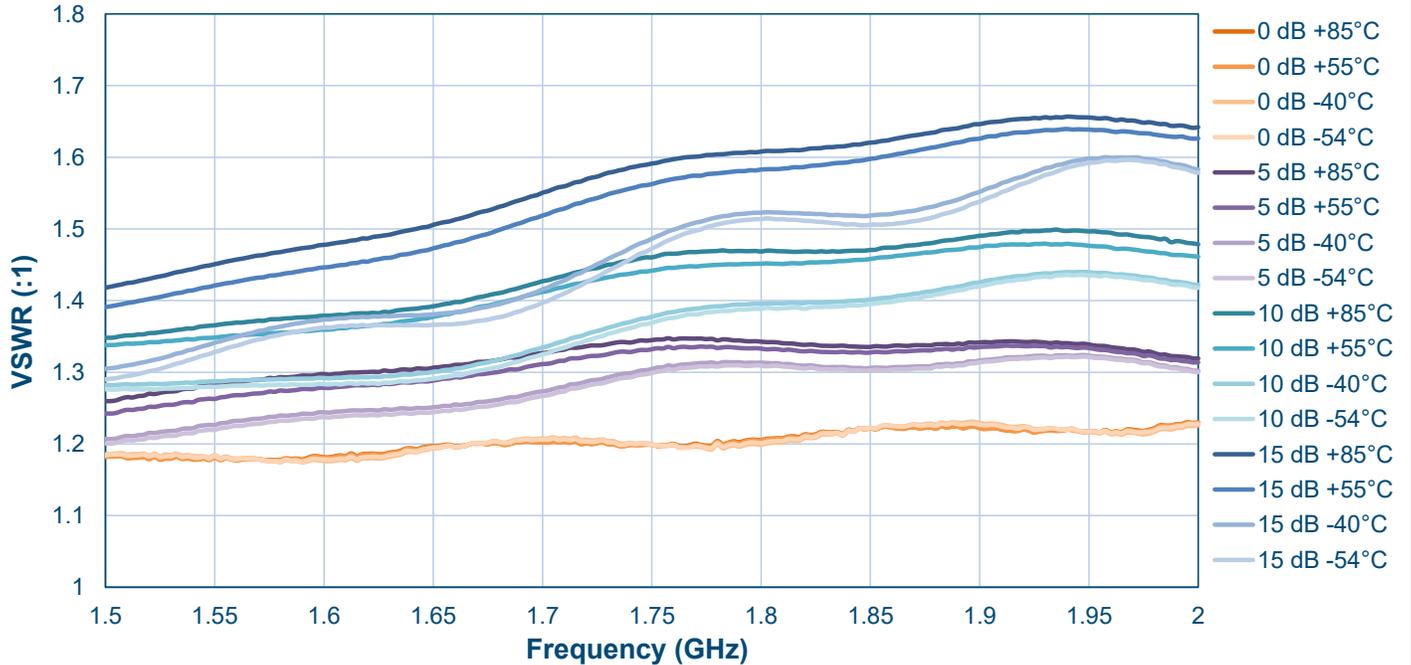


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**J2 VSWR VS. Frequency @ +25°C**



**J2 VSWR VS. Frequency**



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