PLANAR MONOLITHICS

SUMMARY TEST DATA ON PDVAT-0518-60-8-93-10M18

Customer: [redacted]
Job No: [redacted]
Model No: PDVAT-0518-60-8-93-10M18
Serial No: PL62539/2629

Tested By: J. Fitzpatrick
Date: Thursday, October 8, 2026
Temperature: +25° C
Drawing No: 27620243 **Rev:** A3

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	100 MHz to 18.0 GHz	**100 MHz to 18.0 GHz**	PMI QA6
2	Insertion Loss:	5.25 dB Max.	**4.09 dB See Plot**	
3	Attenuation Flatness:	±0.9 dB Typ. @ 10 dB ±1.5 dB Typ. @ 20 dB ±3.0 dB Typ. @ 40 dB ±5.0 dB Typ. @ 60 dB	**±0.47 dB ±0.87 dB ±1.59 dB ±4 dB See Plot**	
4	Accuracy of Attenuation:	±1.0 dB Typ. 0 dB to 30 dB ±1.3 dB Typ, 30 dB to 50 dB ±1.5 dB Typ. 50 dB to 60 dB	**±0.13 dB ±0.48 dB ±0.65 dB See Plot**	
5	Monotonicity:	Verify	**Pass**	
6	Temperature Variation:	±2.5 dB -10 to 85°C Typ. ±3.5 dB -40 to 95°C Typ.	**See Typical Characteristics**	
7	Switching Time:	5 µs Max.	**See Typical Characteristics**	
8	Return Loss:	-8.5 dB Max.	**-9.85 dB**	
9	Power Rating:	+20 dB	**See Typical Characteristics**	
10	Digital Control:	8 Bit TTL with 0.25 dB Nom. Attenuation Step	**8 Bit TTL with 0.235 dB Attenuation Step**	
11	Power Supply:	+15 V @ 150 mA Max.	**117 mA**	PMI QA6

QA/QC Approval: Anthony Barcoly PMI QA6 Date: 10/9/26

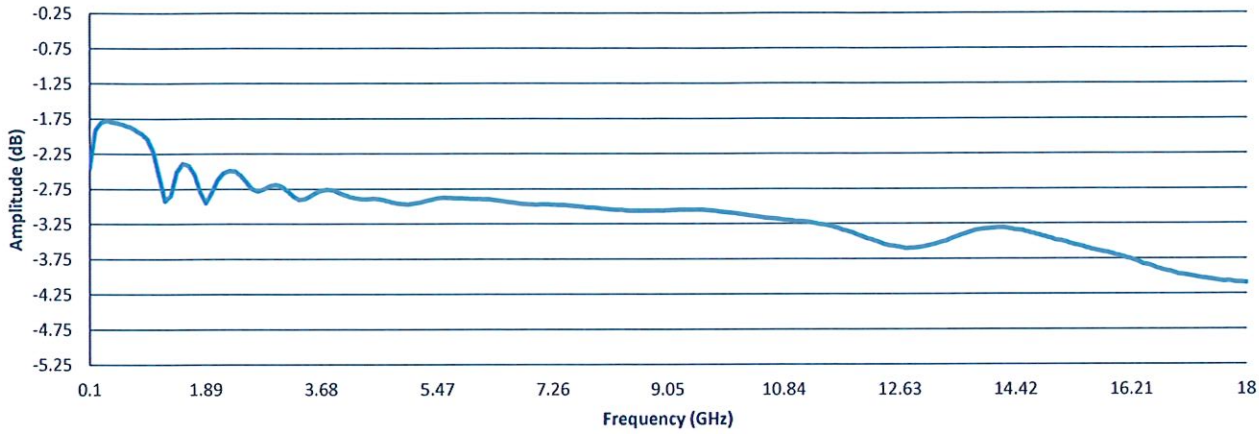
7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
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PMI
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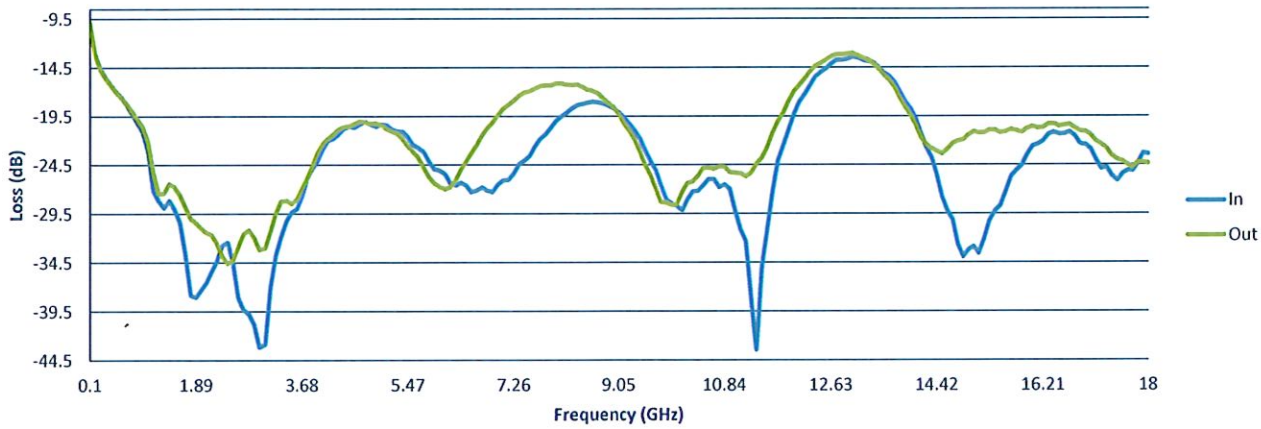
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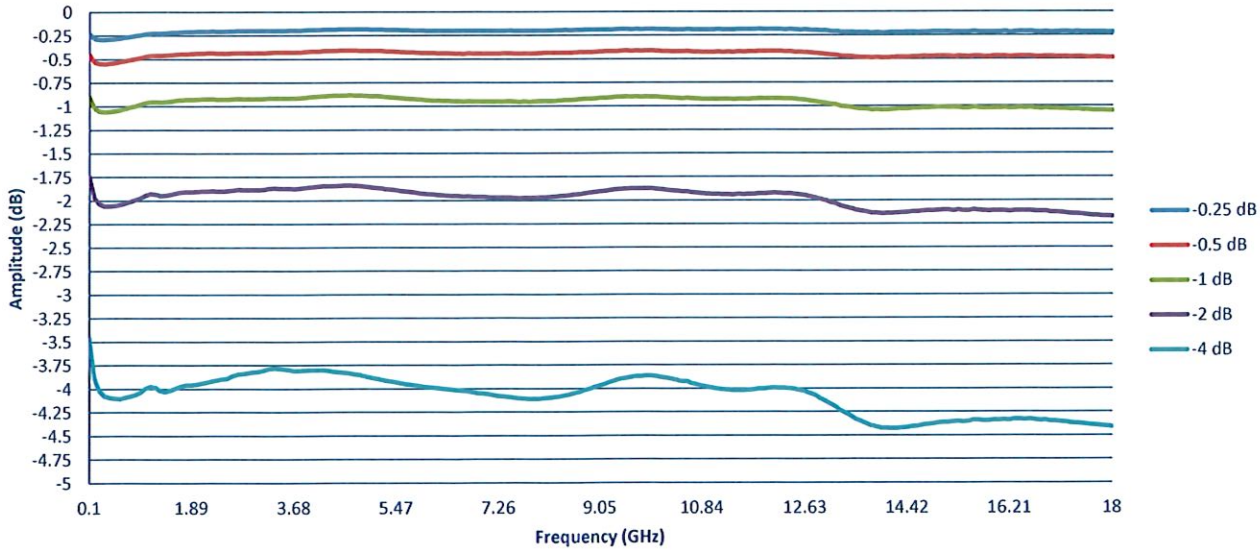
Insertion Loss



Return Loss



Attenuation vs. Frequency (Small Bits)

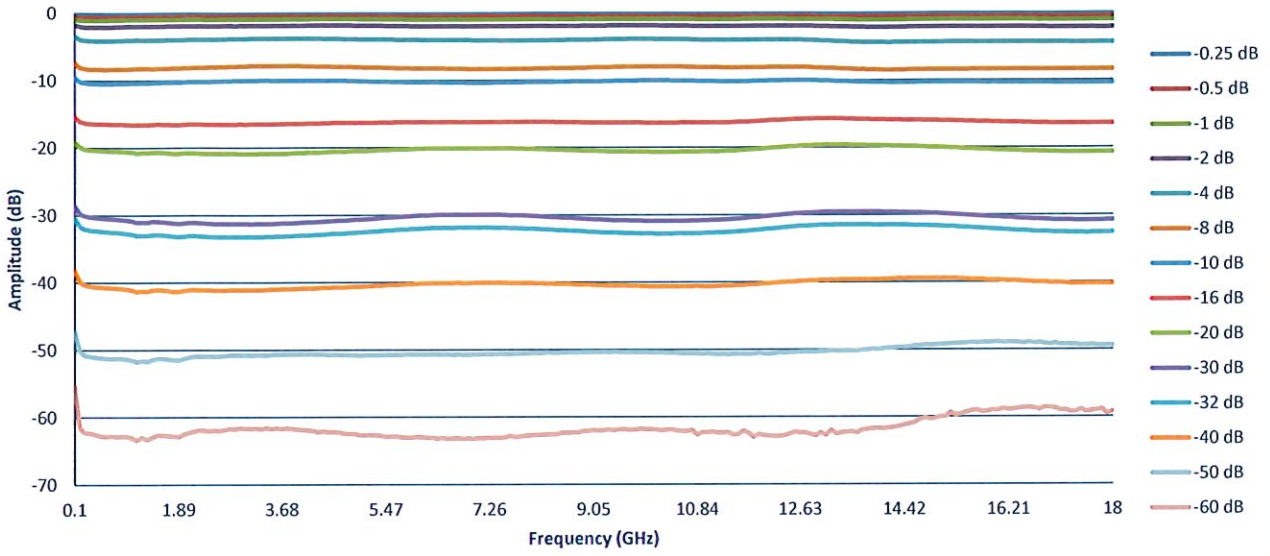


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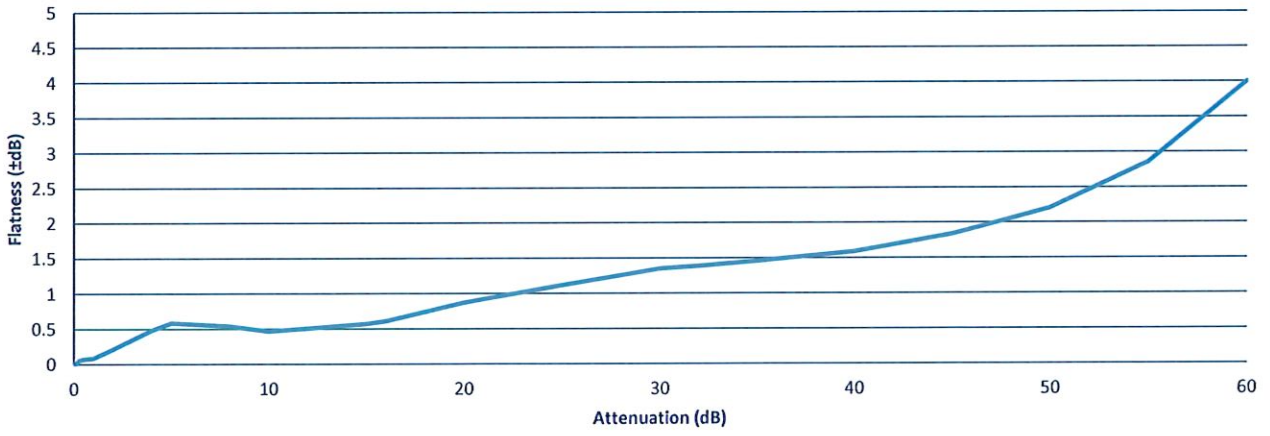
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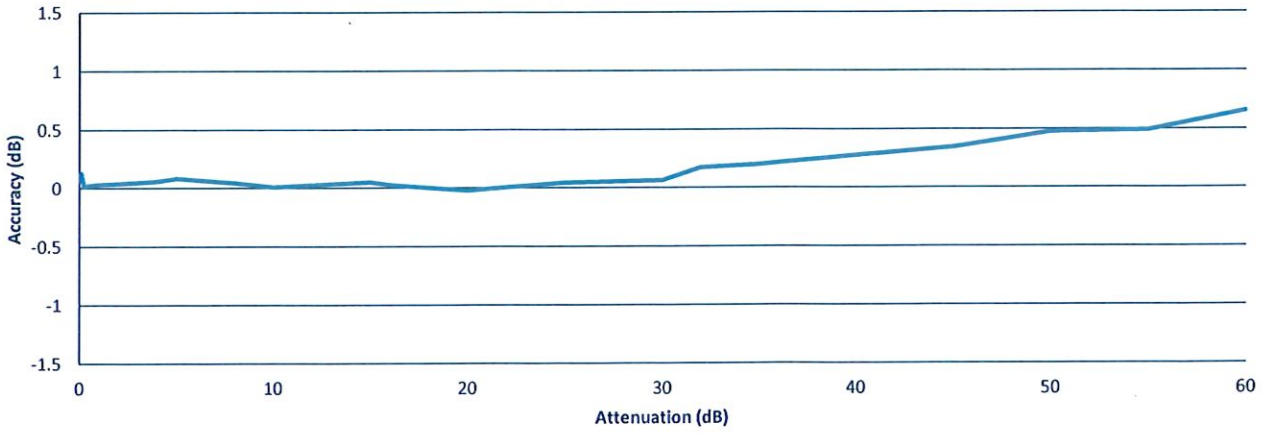
Attenuation vs. Frequency (All Bits)



Flatness



Accuracy



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