PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-30M7D2G-60-CD-1

Customer:
Job No:
Model No: DTA-30M7D2G-60-CD-1
Serial No: PL60995/2627

Tested By: J. Fitzpatrick/K. Mansfield
Date: Wednesday, July 1, 2026
Temperature: +25° C
Drawing No: 27653940 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	30 MHz – 7.2 GHz	30 MHz – 7.2 GHz	PMI QA5
2	Mean Attenuation Range:	60 dB	63.8 dB See Plot	
3	Insertion Loss:	4.0 dB Max.	3.24 dB See Plot	
4	Return Loss:	-8.5 dB Max.	-9.16 dB	
5	Attenuation Flatness:	±1.0 dB Typ. @ 10 dB ±1.5 dB Typ. @ 20 dB ±3.0 dB Typ. @ 40 dB ±5.0 dB Typ. @ 60 dB	±0.5 dB ±0.4 dB ±0.46 dB ±1.16 dB See Plot	
6	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	±0.12 dB ±0.11 dB ±0.06 dB See Plot	
7	Switching Speed:	50 µs Max.	See Typical Characteristics	
8	Monotonicity:	Verify	Pass	
9	DC Supply:	+12 VDC @ 155 mA Max.	77 mA	PMI QA5

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.24	0.01	0.02
0.50	0.49	0.01	0.04
1.00	0.99	0.01	0.08
2.00	1.99	0.01	0.15
4.00	3.98	0.02	0.27
8.00	7.98	0.02	0.45
16.00	15.96	0.04	0.45
32.00	31.89	0.11	0.42
63.75	63.76	-0.01	0.47

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.97	0.03	0.33
10.00	10.00	0.00	0.50
15.00	14.95	0.05	0.47
20.00	19.97	0.03	0.40
25.00	24.93	0.07	0.40
30.00	29.96	0.04	0.42
35.00	34.93	0.07	0.43
40.00	39.98	0.02	0.46
45.00	44.93	0.07	0.46
50.00	50.02	-0.02	0.51
55.00	55.01	-0.01	0.78
60.00	60.06	-0.06	1.16

QA/QC Approval: Date: 7/15/26

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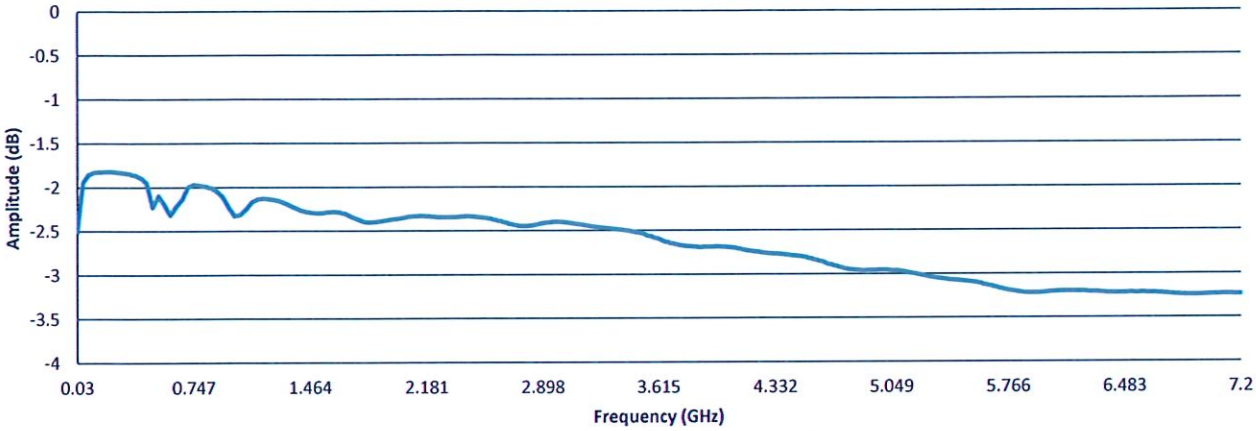
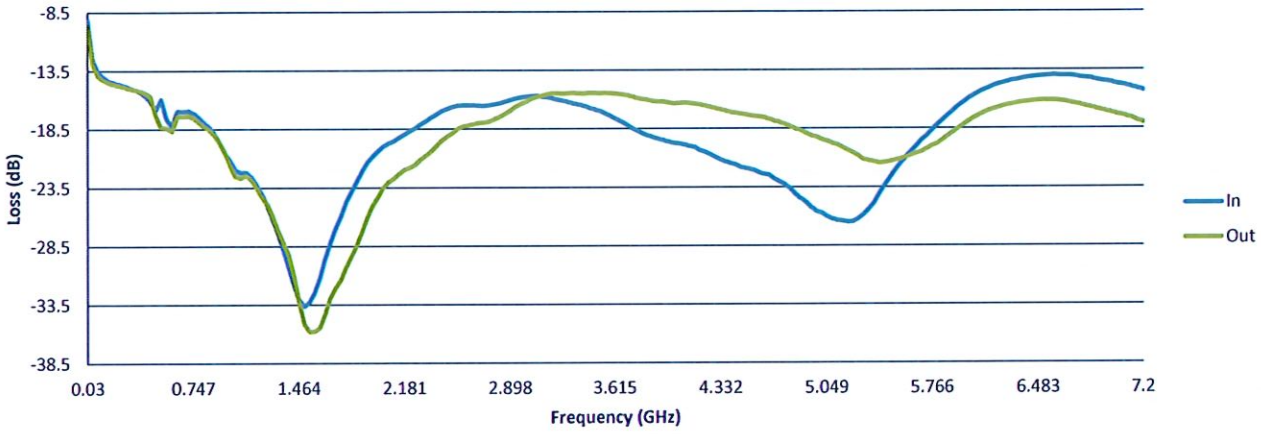
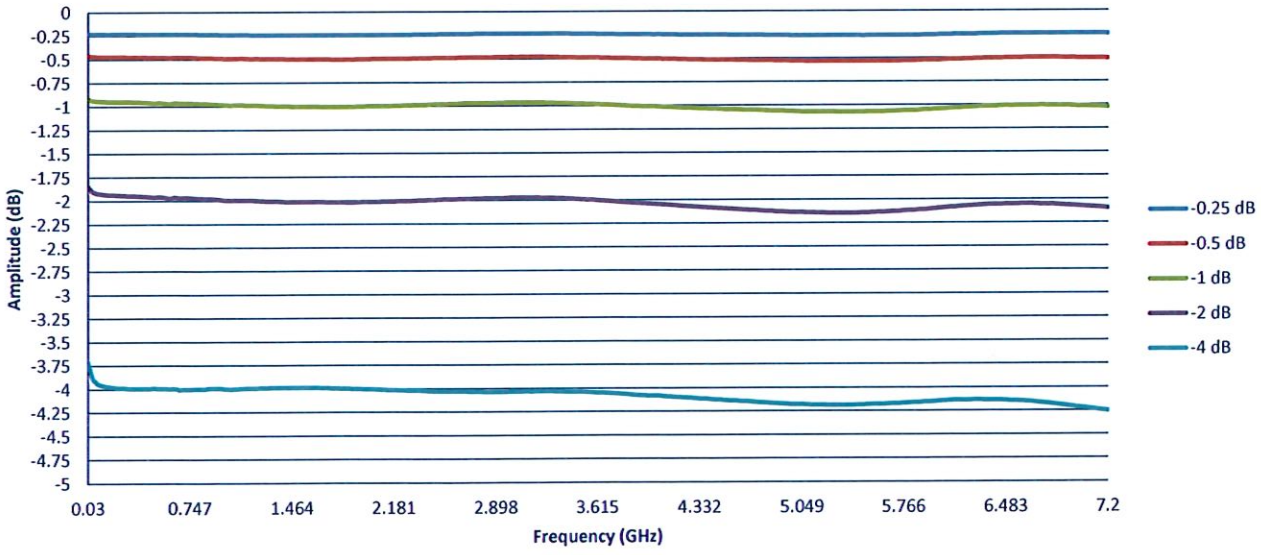
Insertion Loss



Return Loss



Attenuation vs. Frequency (Small Bits)



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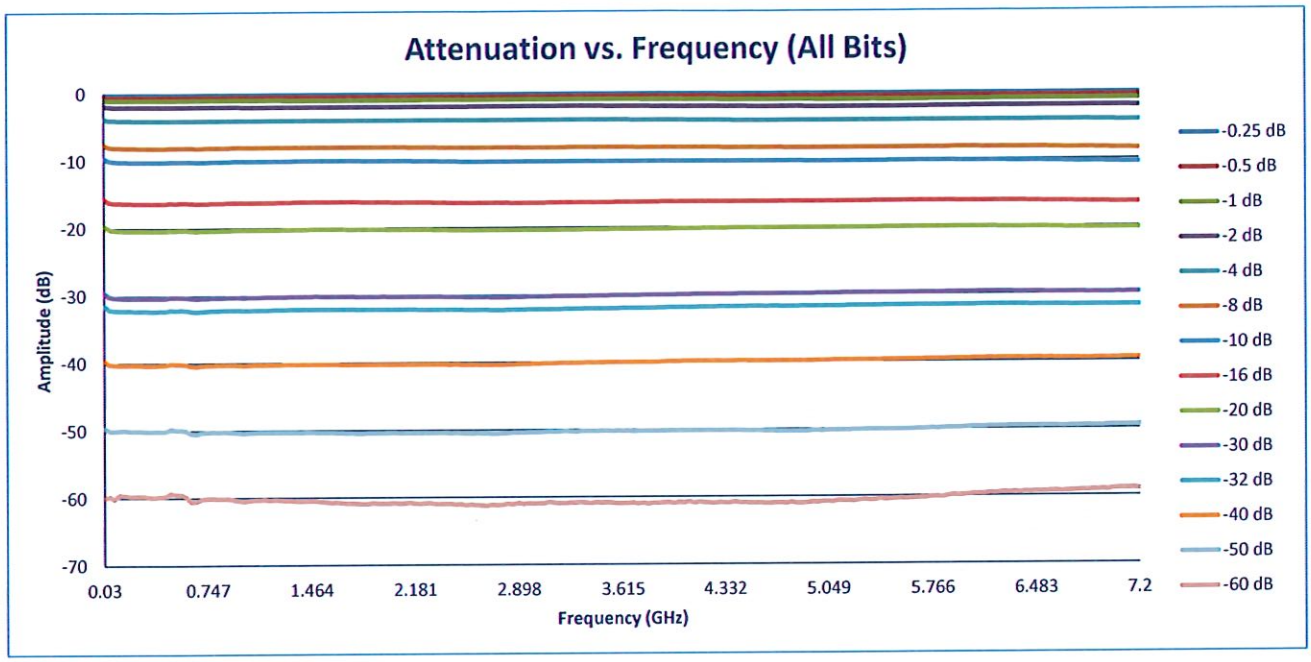

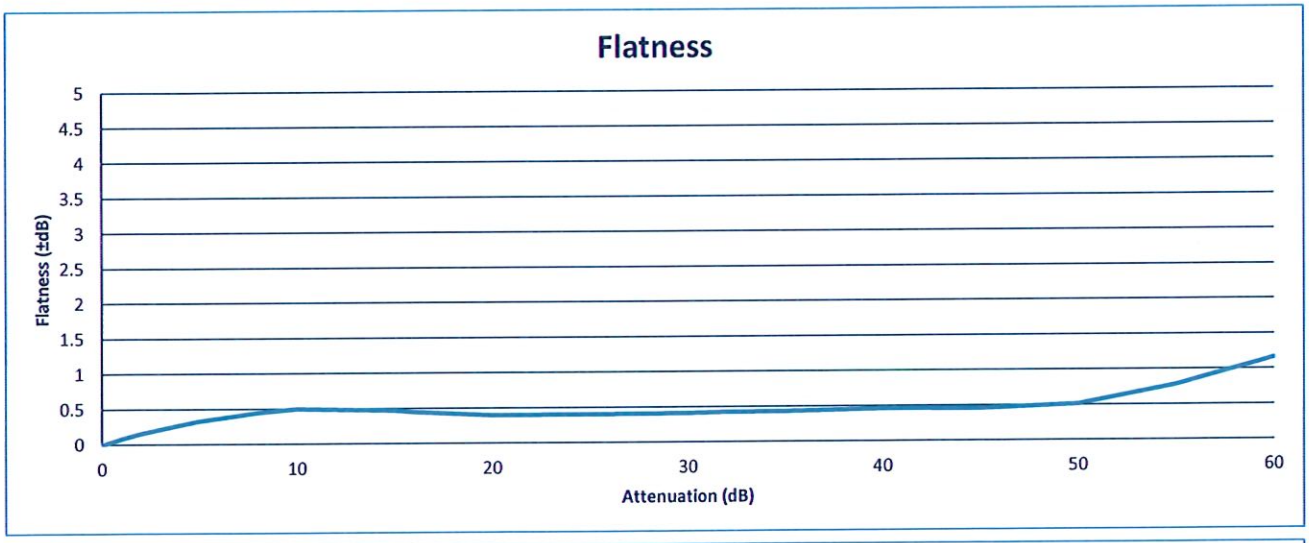

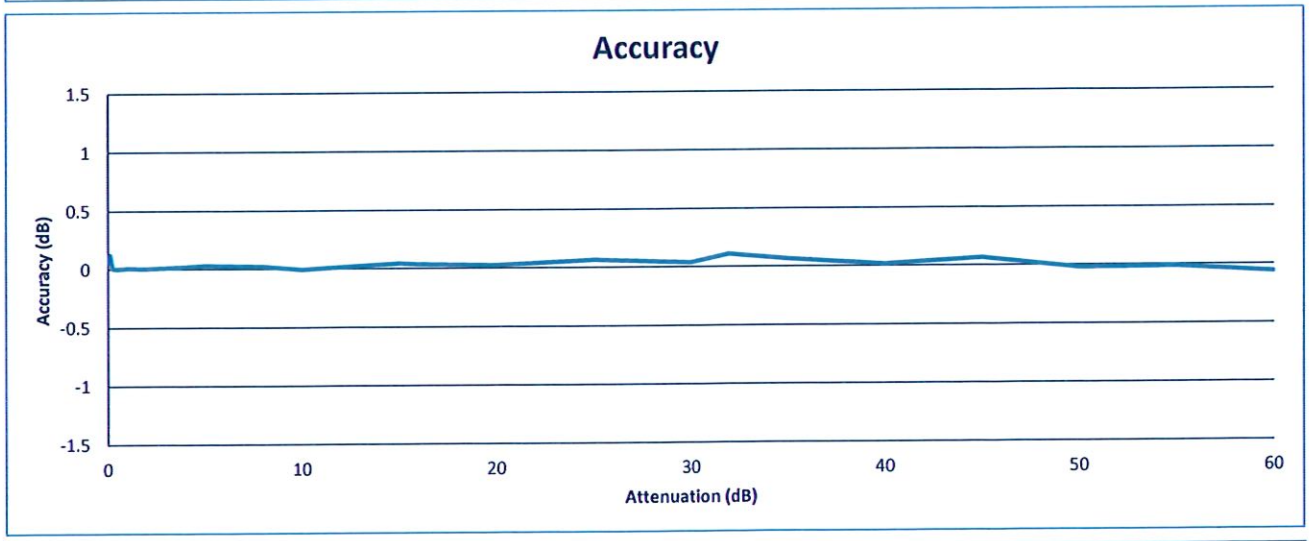

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