PLANAR MONOLITHICS

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

Customer:
Job No:
Model No: DTA-30M7D2G-60-CD-1
Serial No: PL60994/2627

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	63.7 dB See Plot	
3	Insertion Loss:	4.0 dB Max.	2.98 dB See Plot	
4	Return Loss:	-8.5 dB Max.	-9.2 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	±0.57 dB ±0.45 dB ±0.52 dB ±1.6 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 ±0.12 dB ±0.08 dB See Plot	
7	Switching Speed:	50 µs Max.	See Typical Characteristics	
8	Monotonicity:	Verify	Pass	
9	DC Supply:	+12 VDC @ 180 mA Max.	79 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	0.98	0.02	0.07
2.00	1.98	0.02	0.15
4.00	3.98	0.02	0.30
8.00	7.97	0.03	0.50
16.00	15.95	0.05	0.51
32.00	31.88	0.12	0.48
63.75	63.74	0.01	0.54

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.98	0.02	0.36
10.00	9.99	0.01	0.57
15.00	14.95	0.05	0.54
20.00	19.97	0.03	0.45
25.00	24.92	0.08	0.45
30.00	29.96	0.04	0.47
35.00	34.94	0.06	0.50
40.00	39.95	0.05	0.52
45.00	44.94	0.06	0.58
50.00	49.93	0.07	0.66
55.00	54.92	0.08	0.83
60.00	59.97	0.03	1.60

QA/QC Approval:

Date: 7/15/26

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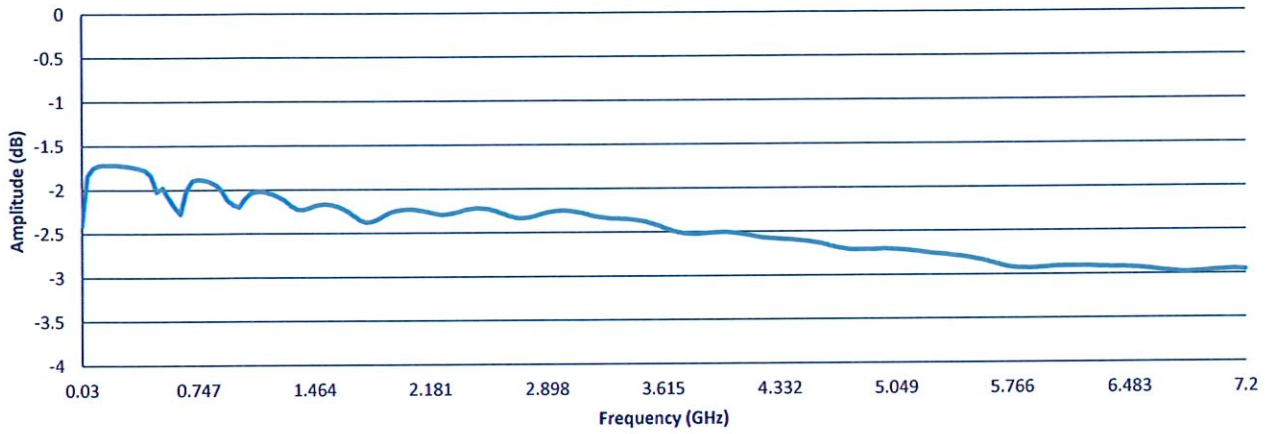
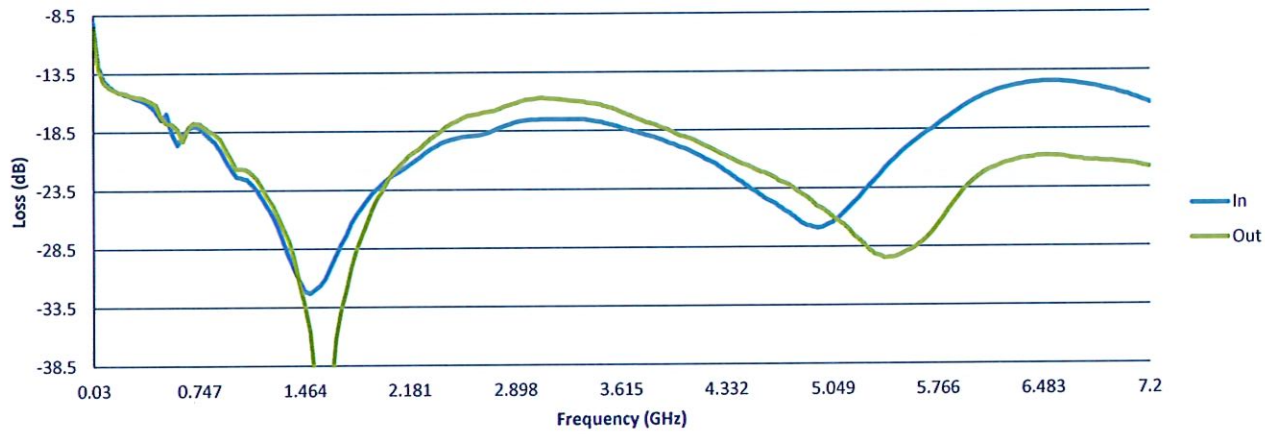
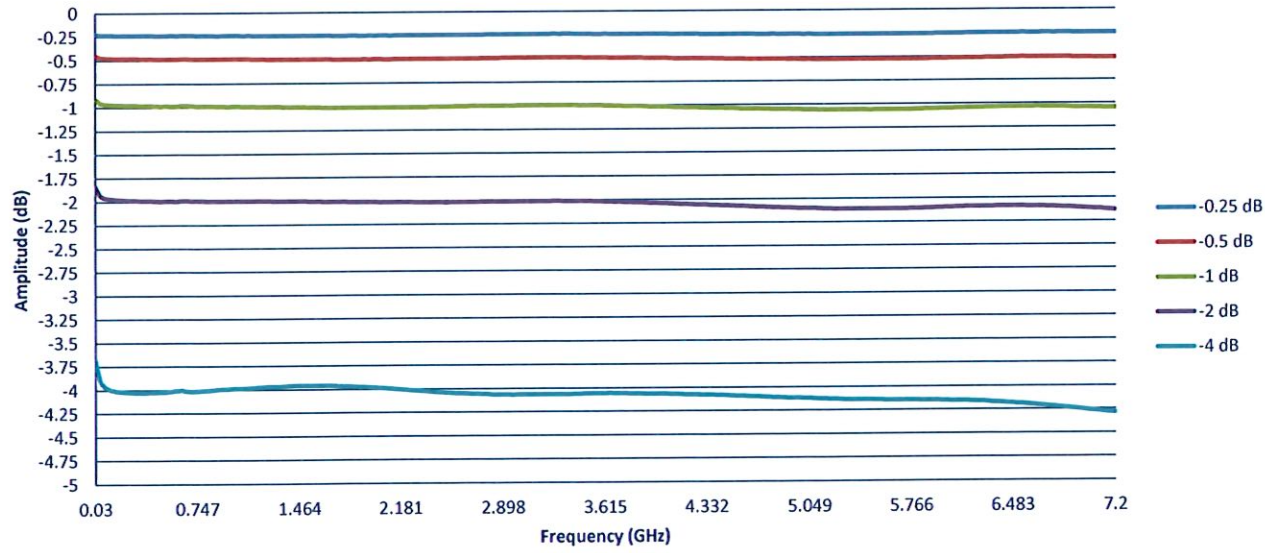
Insertion Loss



Return Loss



Attenuation vs. Frequency (Small Bits)



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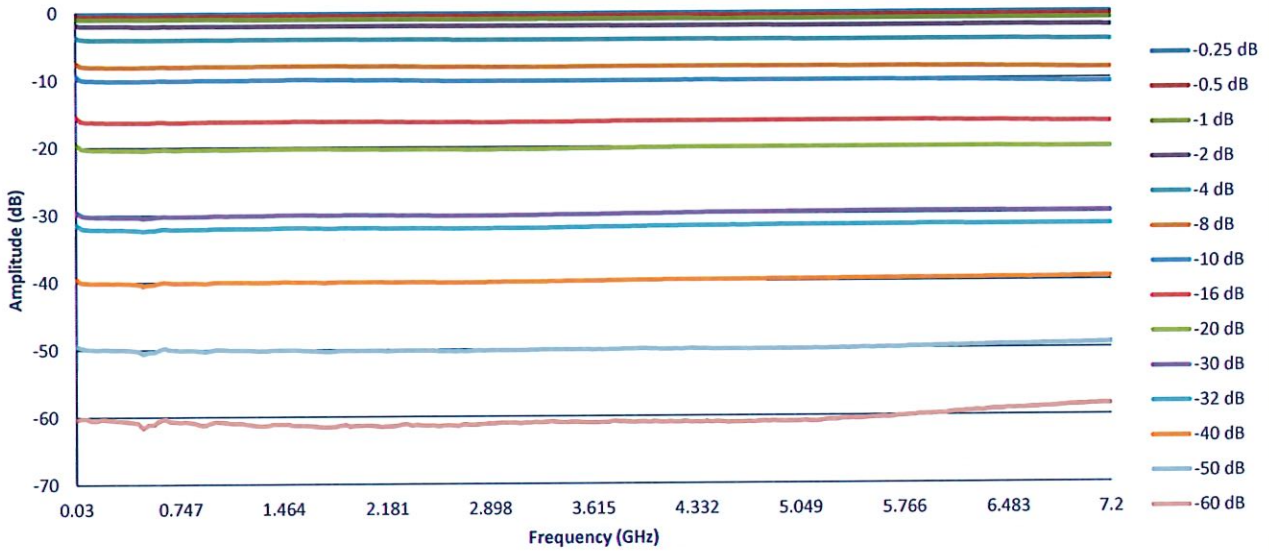
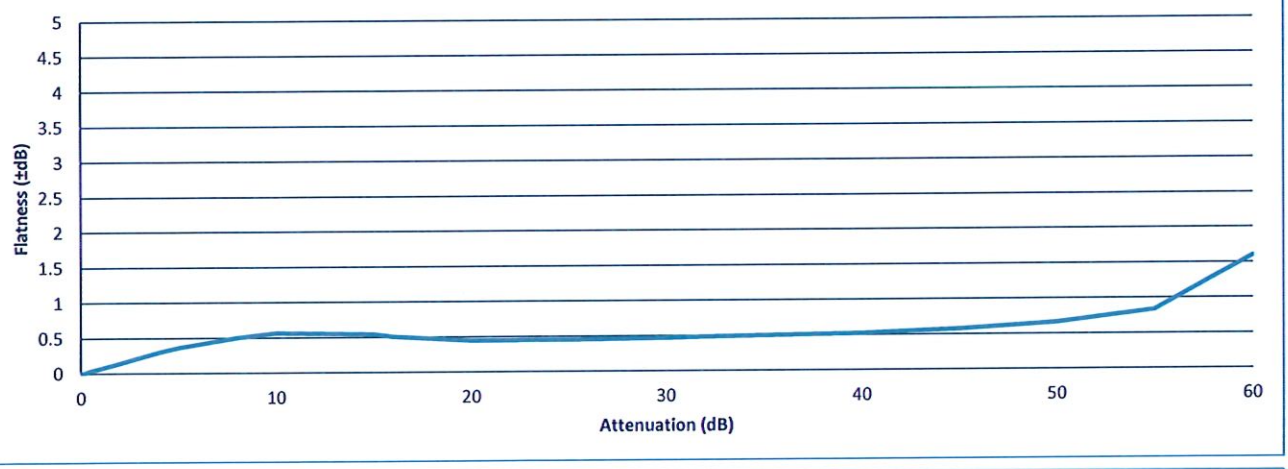
SUMMARY TEST DATA ON DTA-30M7D2G-60-CD-1

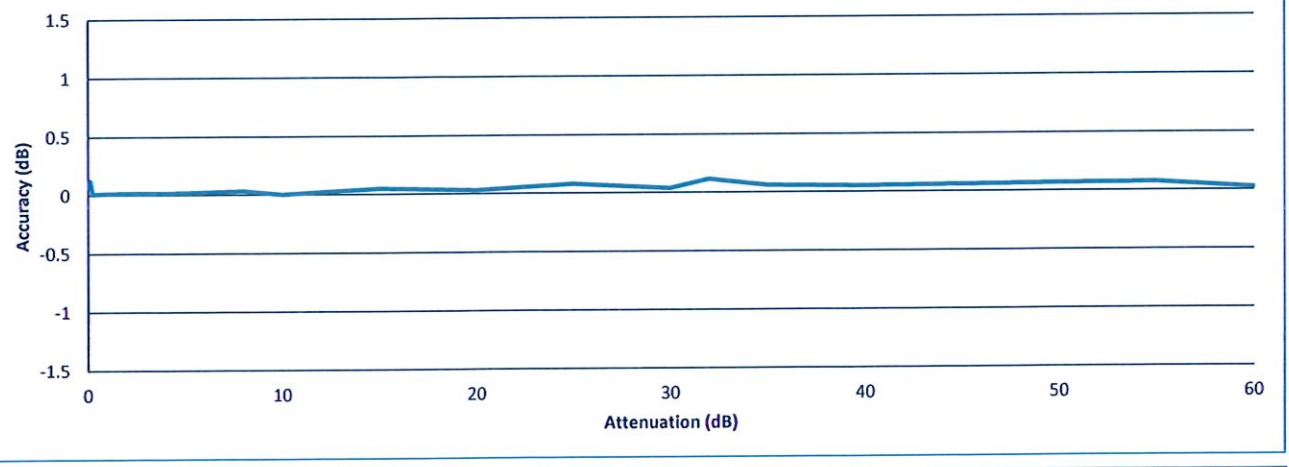
Attenuation vs. Frequency (All Bits)



Flatness



Accuracy



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