PLANAR MONOLITHICS

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

Customer:
Job No:
Model No: DTA-30M7D2G-60-CD-1
Serial No: PL60550/2623

Tested By: K. Mansfield
Date: Thursday, June 4, 2026
Temperature: +25° C
Drawing No: 27653940 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA QC
1	Frequency Range:	30 MHz - 7.2 GHz	30 MHz - 7.2 GHz	PMI QA6
2	Mean Attenuation Range:	60 dB	63.01 dB	
3	Insertion Loss:	4.0 dB Max.	3.5 dB See Plot	
4	Return Loss:	-8.5 dB Max.	-9.6 dB See Plot	
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	±0.38 dB @ 10 dB ±0.32 dB @ 20 dB ±0.87 dB @ 40 dB ±1.99 dB @ 60 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	±0.02 dB (0 to 30 dB) ±0.54 dB (30 to 50 dB) ±0.54 dB (50 to 60 dB) See Plot	
7	Switching Time:	50 µs Max.	See Typical Charateristics	
8	Power Supply:	+12 VDC @ 180mA Max. (10.8 VDC Min. to 13.2 VDC Max.)	78 mA	PMI QA6

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.25	0.24	0.01	0.02
0.50	0.50	0.00	0.03
1.00	0.99	0.01	0.07
2.00	1.98	0.02	0.14
4.00	3.98	0.02	0.26
8.00	7.98	0.02	0.38
16.00	15.98	0.02	0.32
32.00	31.99	0.01	0.75
63.75	63.01	0.74	1.41

Programmed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	4.94	0.06	0.30
10.00	9.98	0.02	0.38
15.00	14.94	0.06	0.33
20.00	19.99	0.01	0.32
25.00	24.95	0.05	0.47
30.00	29.99	0.01	0.69
35.00	34.91	0.09	0.83
40.00	39.68	0.32	0.87
45.00	44.56	0.44	0.76
50.00	49.46	0.54	0.95
55.00	54.43	0.57	1.36
60.00	59.47	0.53	1.99

QA/QC Approval: Anthony Hardy PMI QA6 Date: 6/8/26

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
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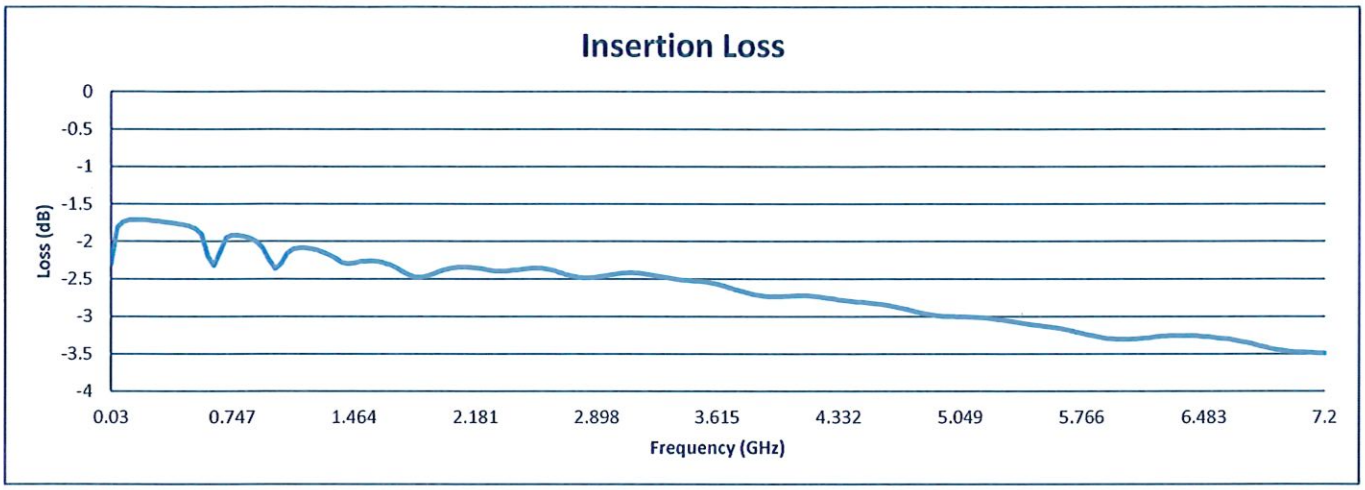

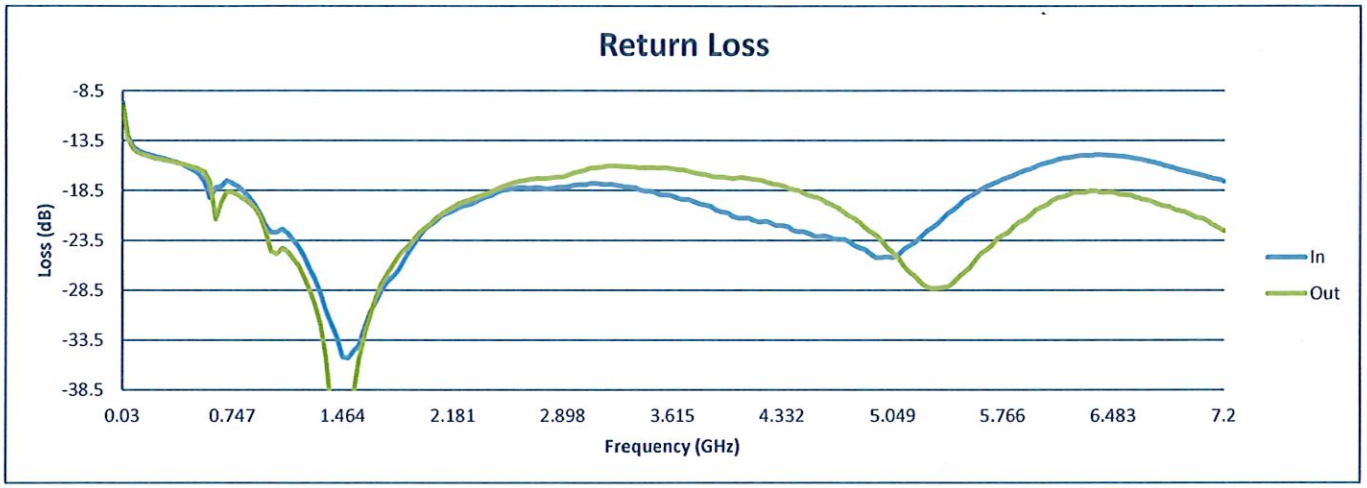

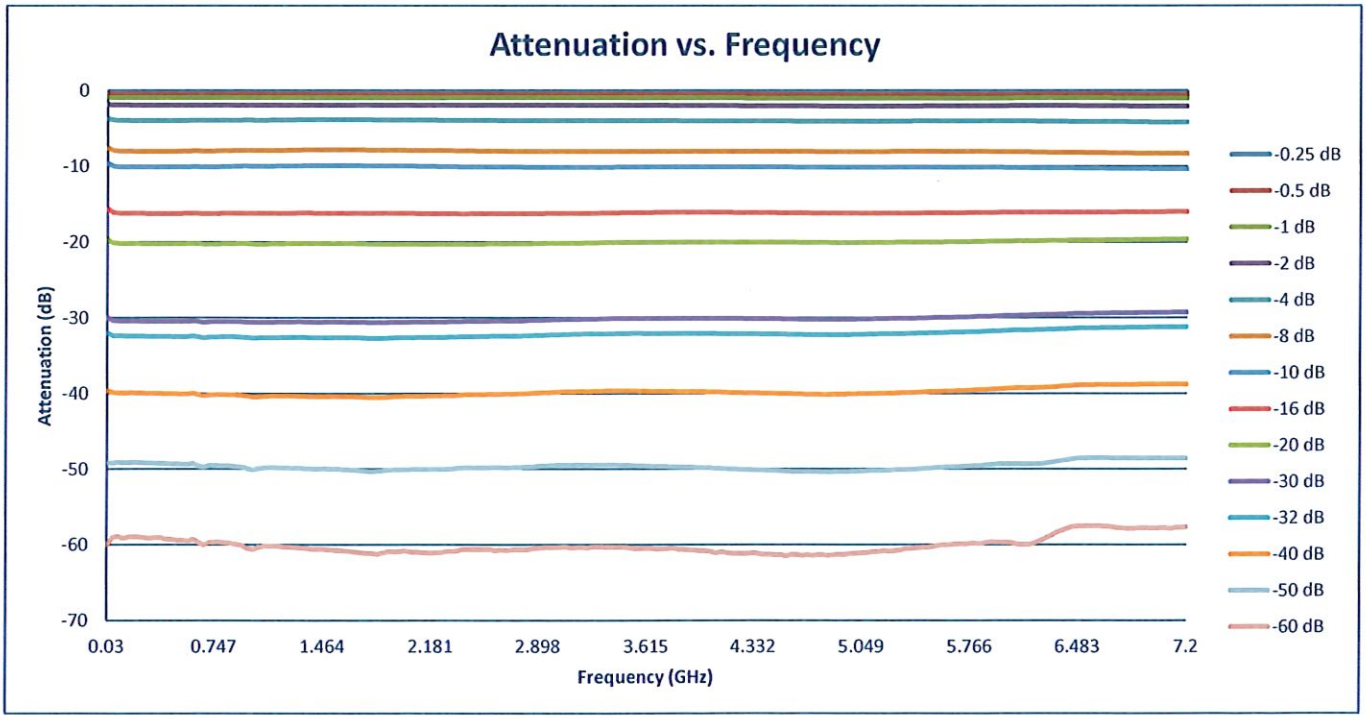

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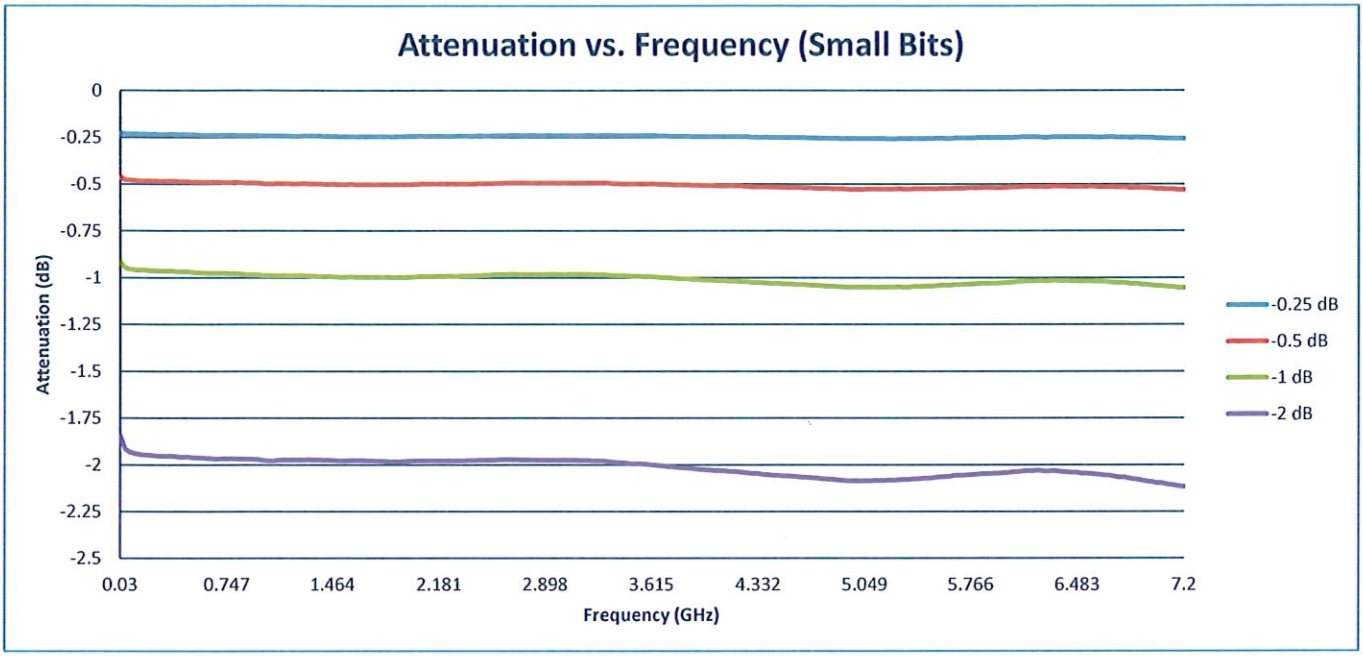

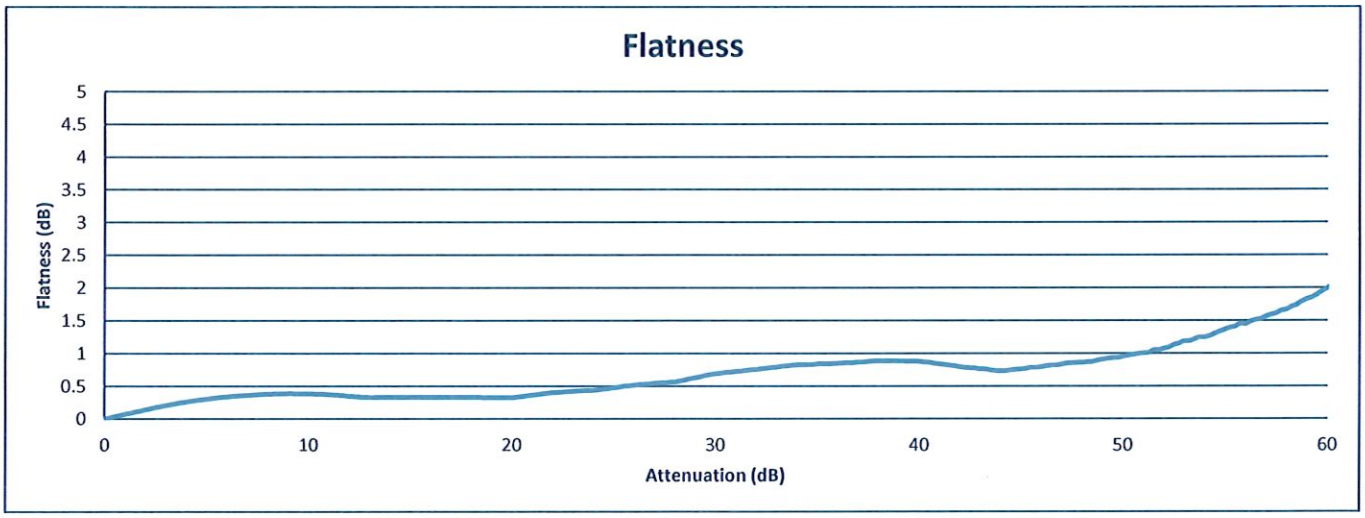

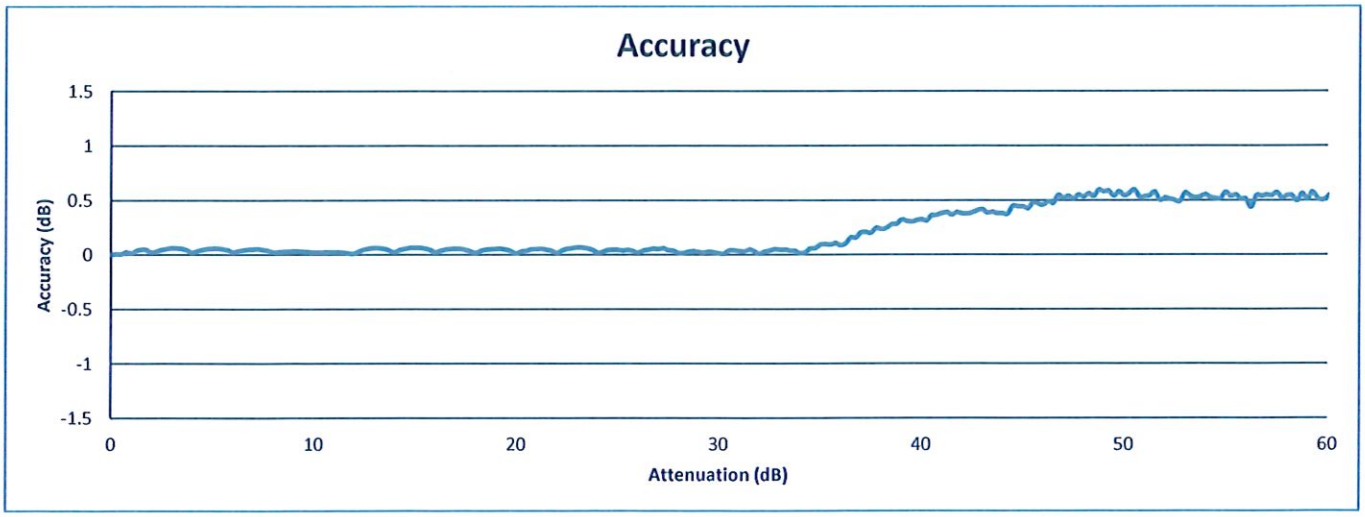

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