PLANAR MONOLITHICS

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

Customer:
Job No:
Model No: DTA-30M7D2G-60-CD-1
Serial No: PL60549/2623

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	63.66 dB	
3	Insertion Loss:	4.0 dB Max.	3.4 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	±0.49 dB @ 10 dB ±0.36 dB @ 20 dB ±1.4 dB @ 40 dB ±1.74 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	±0.01 dB (0 to 30 dB) ±0.02 dB (30 to 50 dB) ±0.05 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.)	79 mA	PMI QA6

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.25	0.24	0.01	0.02
0.50	0.49	0.01	0.04
1.00	0.99	0.01	0.08
2.00	2.00	0.00	0.15
4.00	3.99	0.01	0.30
8.00	8.01	-0.01	0.46
16.00	15.99	0.01	0.36
32.00	31.99	0.01	0.95
63.75	63.66	0.09	0.99

Programmed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	4.97	0.03	0.35
10.00	10.00	0.00	0.49
15.00	14.95	0.05	0.37
20.00	19.99	0.01	0.36
25.00	24.98	0.02	0.51
30.00	29.99	0.01	0.82
35.00	34.96	0.04	1.12
40.00	39.98	0.02	1.40
45.00	44.97	0.03	1.41
50.00	49.98	0.02	1.57
55.00	54.87	0.13	1.67
60.00	59.95	0.05	1.74

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
Email: sales@pmi-rf.com

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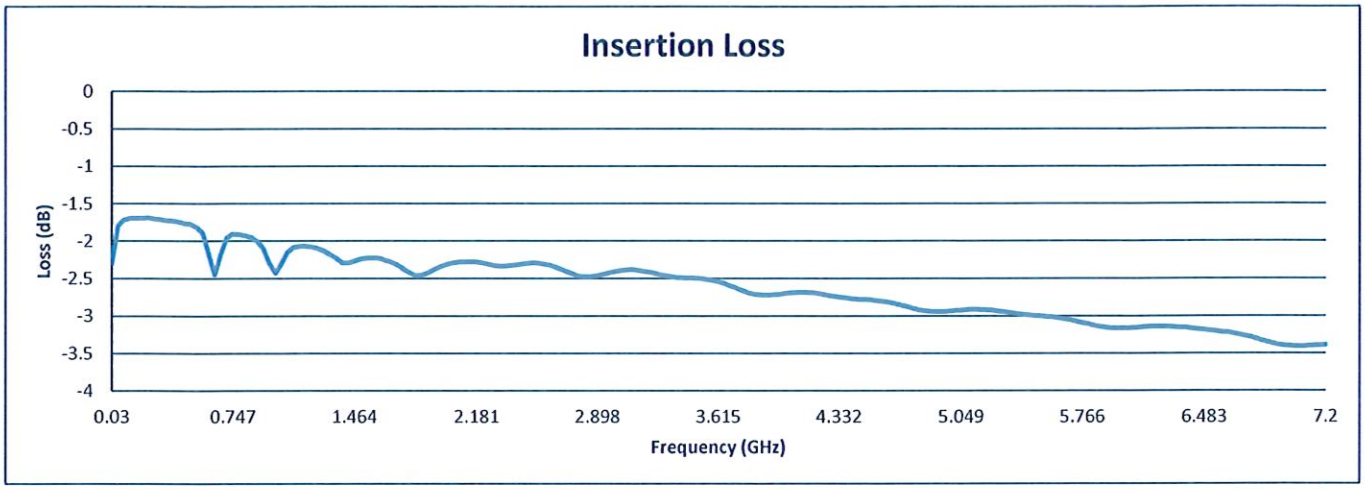

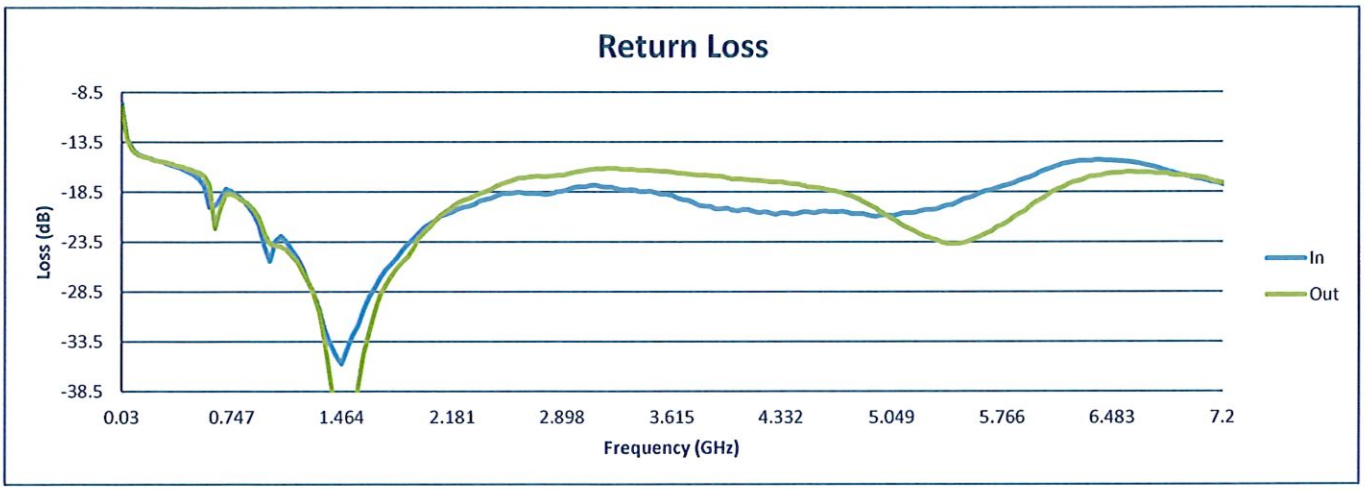

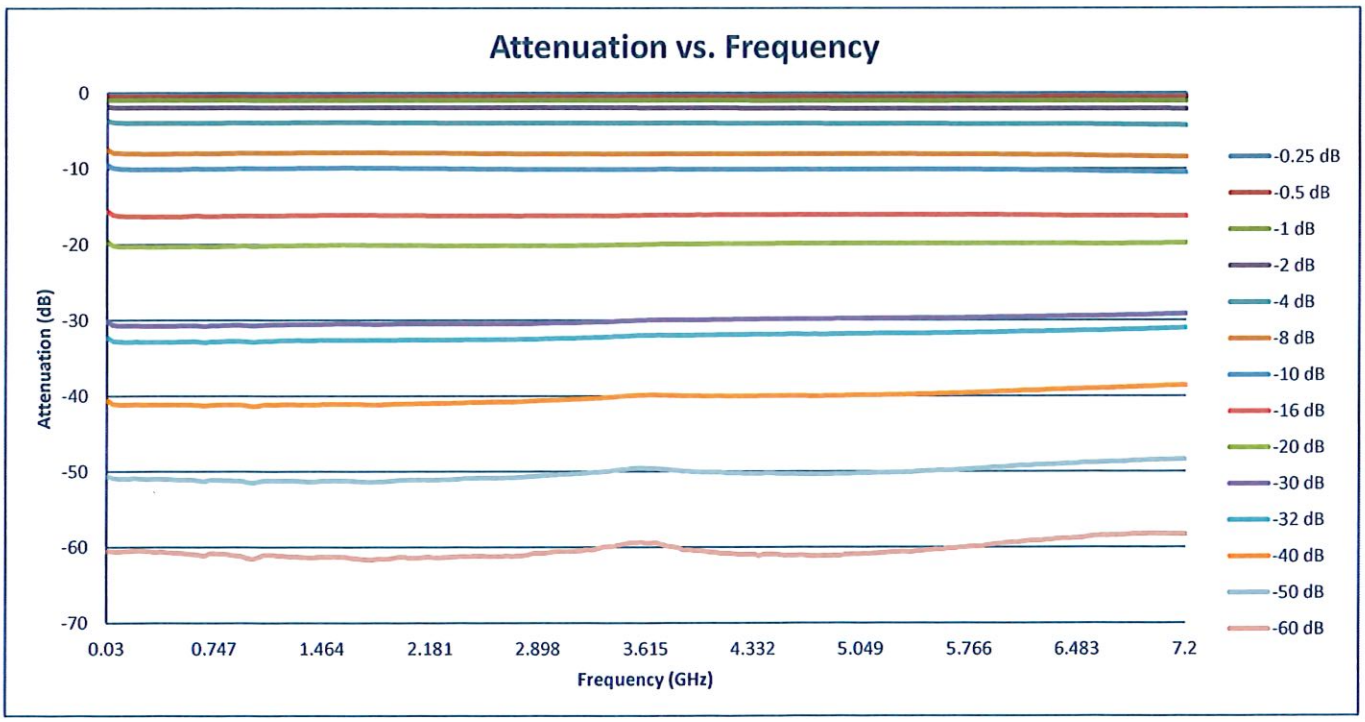

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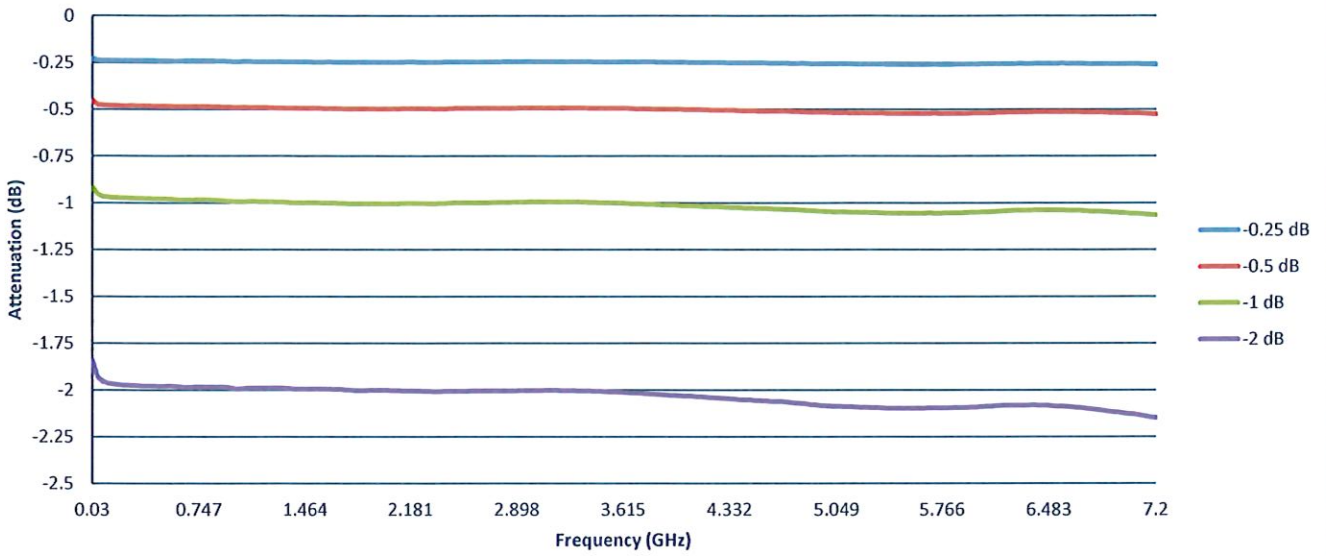
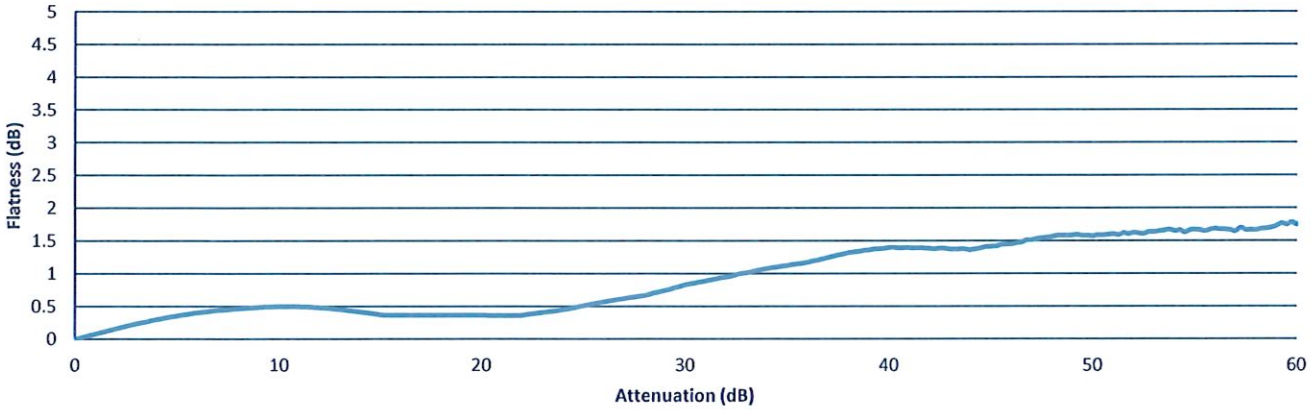
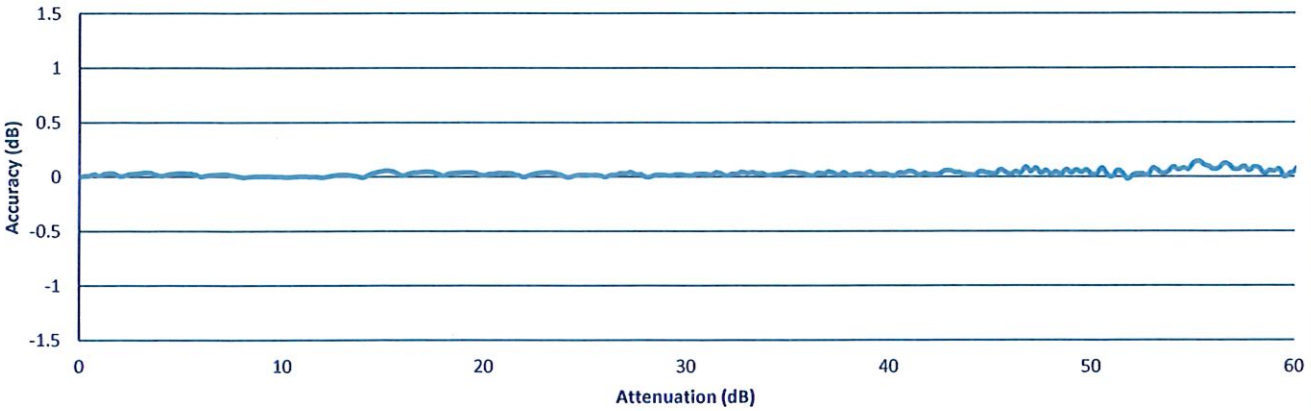
Attenuation vs. Frequency (Small Bits)



Flatness



Accuracy



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