PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-30M6G-60-CD-1

Customer:
Job No:
Model No: DTA-30M6G-60-CD-1
Serial No: PL60918/2627

Tested By: J. Fitzpatrick/K. Mansfield
Date: Monday, June 29, 2026
Temperature: +25° C
Drawing No: 27614809 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	30 MHz – 6 GHz	30 MHz – 6 GHz	PMI QA6
2	Mean Attenuation Range:	60 dB	63.8 dB See Plot	
3	Insertion Loss:	4.0 dB Max.	2.98 dB See Plot	
4	Return Loss:	-8.5 dB Max.	-9.43 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	±0.39 dB ±0.38 dB ±0.36 dB ±0.88 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 ±0.09 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 QA6

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	1.97	0.03	0.13
4.00	3.97	0.03	0.23
8.00	7.97	0.03	0.35
16.00	15.95	0.05	0.40
32.00	31.89	0.11	0.36
63.75	63.81	-0.06	0.41

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.97	0.03	0.27
10.00	9.99	0.01	0.39
15.00	14.93	0.07	0.41
20.00	19.97	0.03	0.38
25.00	24.95	0.05	0.36
30.00	29.97	0.03	0.35
35.00	34.95	0.05	0.36
40.00	39.96	0.04	0.36
45.00	44.93	0.07	0.55
50.00	50.02	-0.02	0.71
55.00	55.02	-0.02	0.76
60.00	59.91	0.09	0.88

QA/QC Approval: Anthony Kacsky PMI QA6 Date: 6/30/26

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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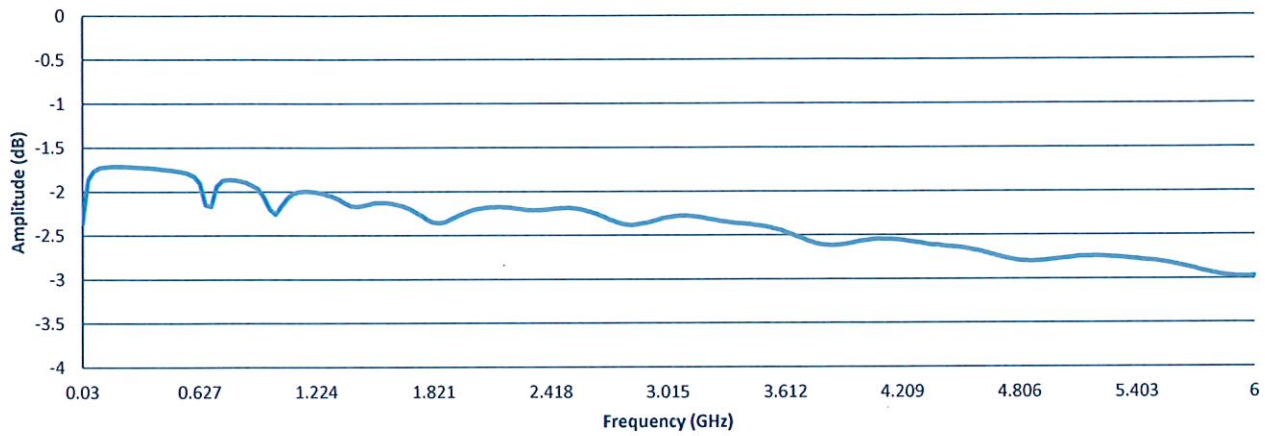
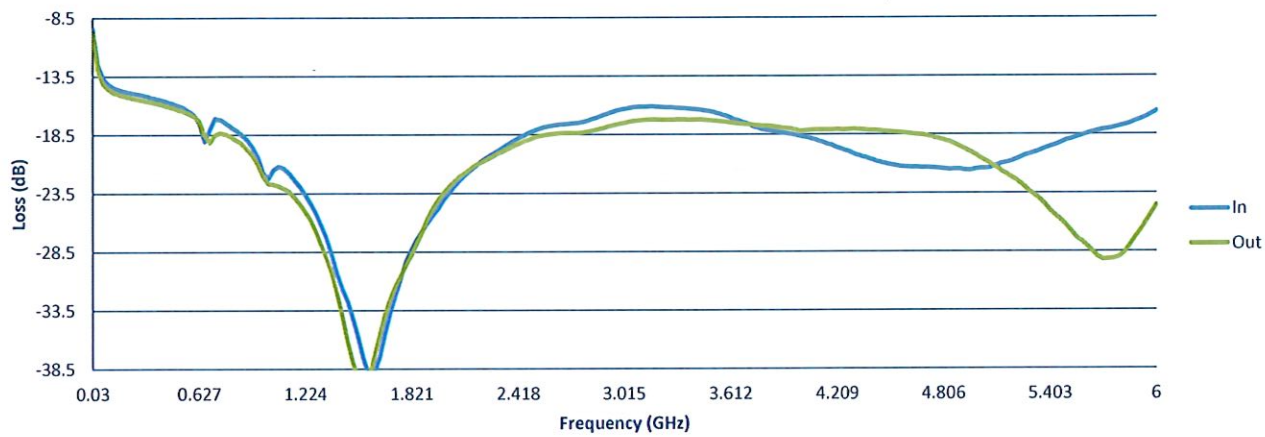
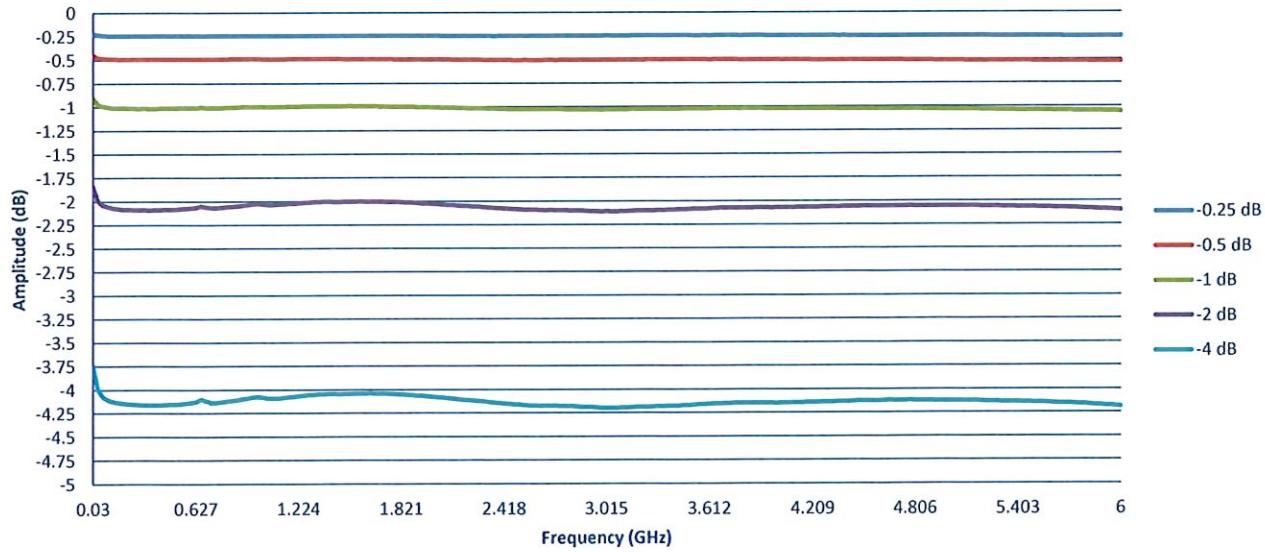
Insertion Loss



Return Loss



Attenuation vs. Frequency (Small Bits)



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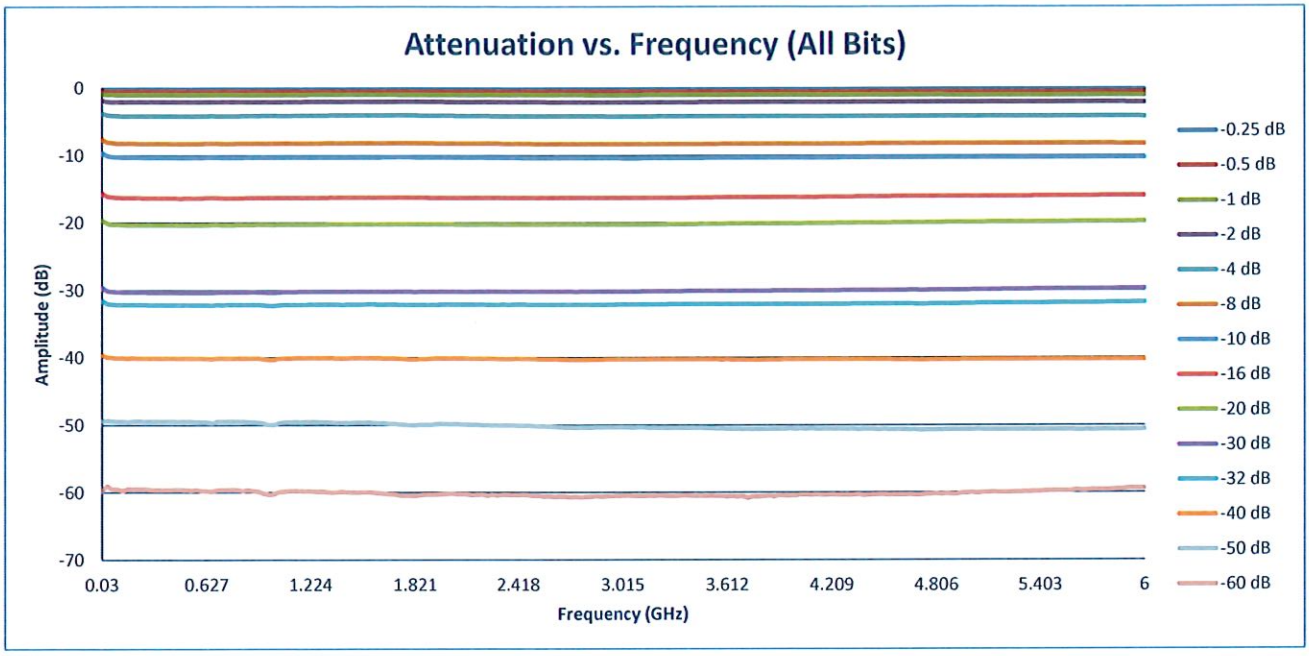

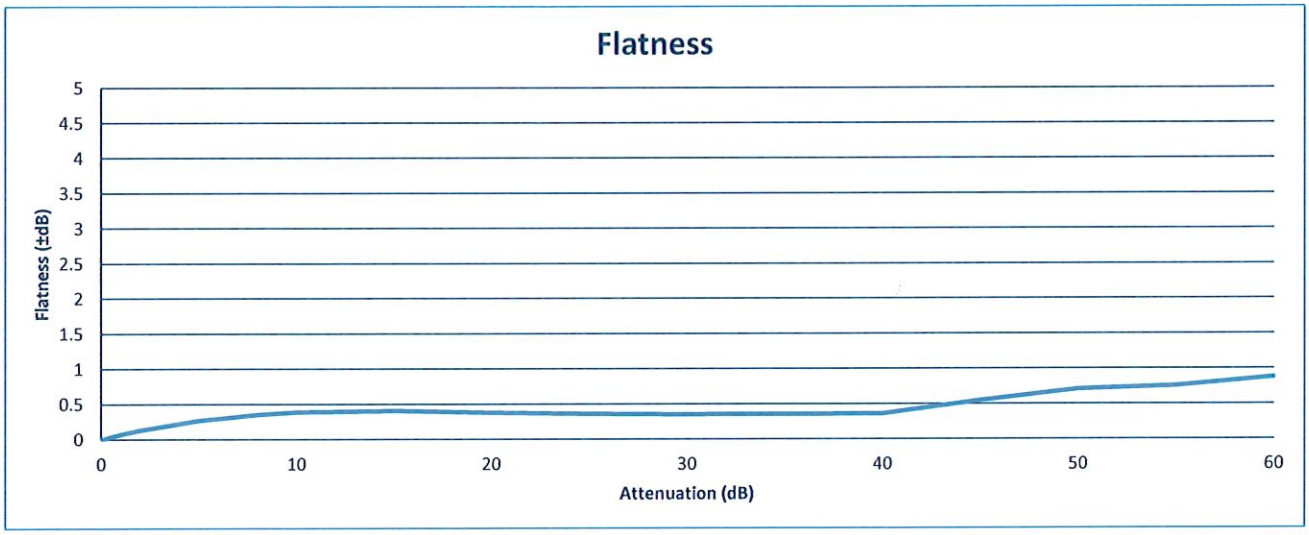

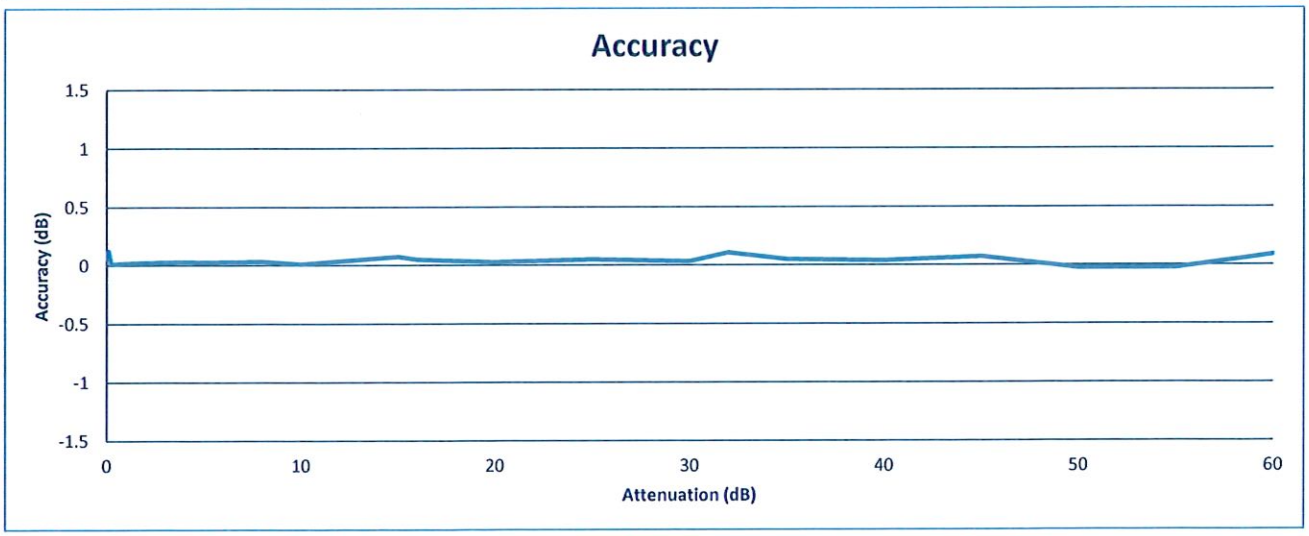

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