



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

Customer: _____
Job No: _____
Model No: DTA-30M7D2G-60-CD-1
Serial No: PL60997/2627

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.	3.13 dB See Plot	
4	Return Loss:	-8.5 dB Max.	-9.53 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	±0.52 dB ±0.36 dB ±0.35 dB ±1.37 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 ±0.09 dB ±0.04 dB See Plot	
7	Switching Speed:	50 µs Max.	See Typical Characteristics	
8	Monotonicity:	Verify	Pass	
9	DC Supply:	+12 VDC @ 180 mA Max.	78 mA	PMI QA5

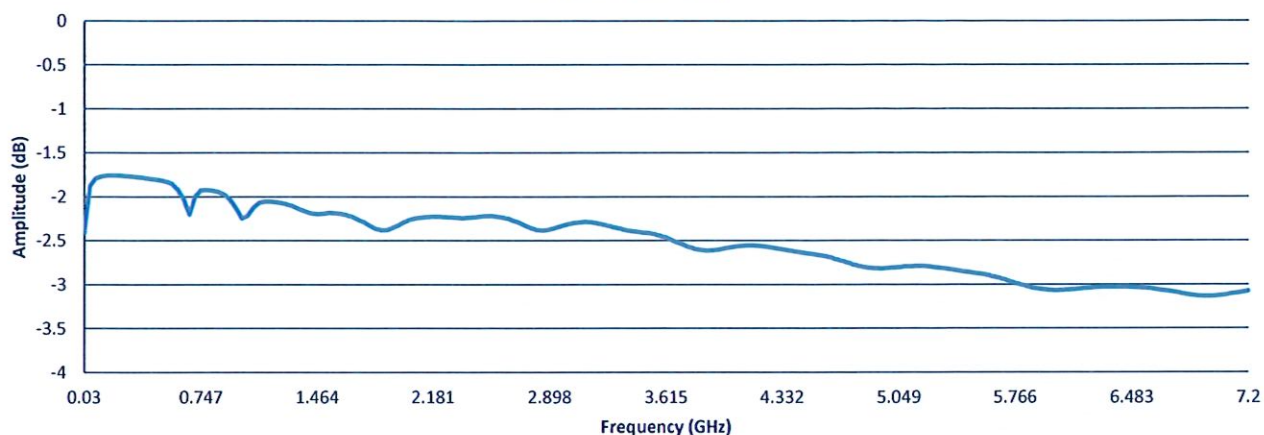
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
0.25	0.24	0.01	0.02
0.50	0.49	0.01	0.04
1.00	0.98	0.02	0.08
2.00	1.98	0.02	0.14
4.00	3.97	0.03	0.28
8.00	7.96	0.04	0.47
16.00	15.94	0.06	0.42
32.00	31.91	0.09	0.33
63.75	63.75	0.00	0.45

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
5.00	4.94	0.06	0.34
10.00	9.98	0.02	0.52
15.00	14.93	0.07	0.45
20.00	19.96	0.04	0.36
25.00	24.93	0.07	0.34
30.00	29.97	0.03	0.33
35.00	34.95	0.05	0.33
40.00	39.98	0.02	0.35
45.00	44.97	0.03	0.52
50.00	49.98	0.02	0.72
55.00	54.97	0.03	1.01
60.00	60.04	-0.04	1.37

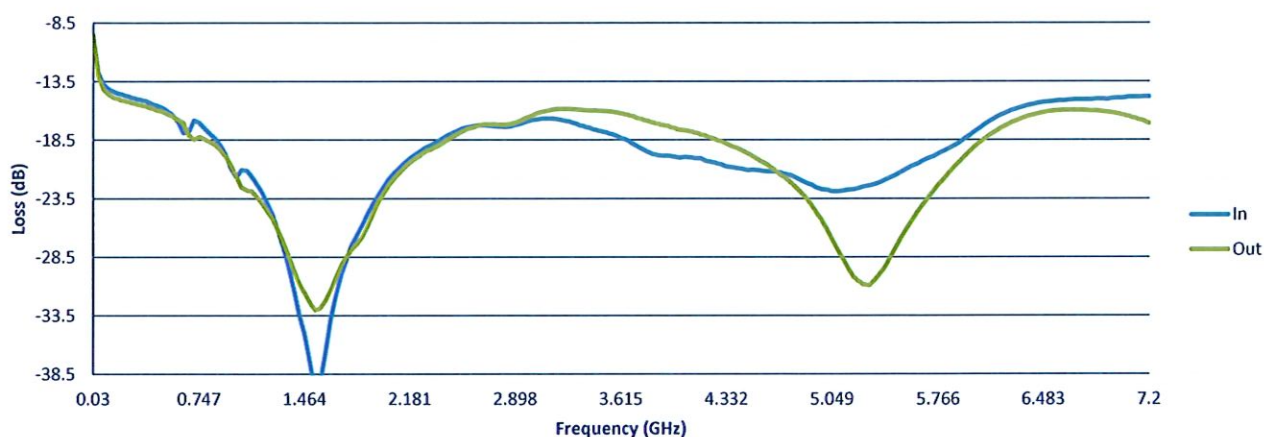
QA/QC Approval: *J. Fitzpatrick*

Date: 7/15/26

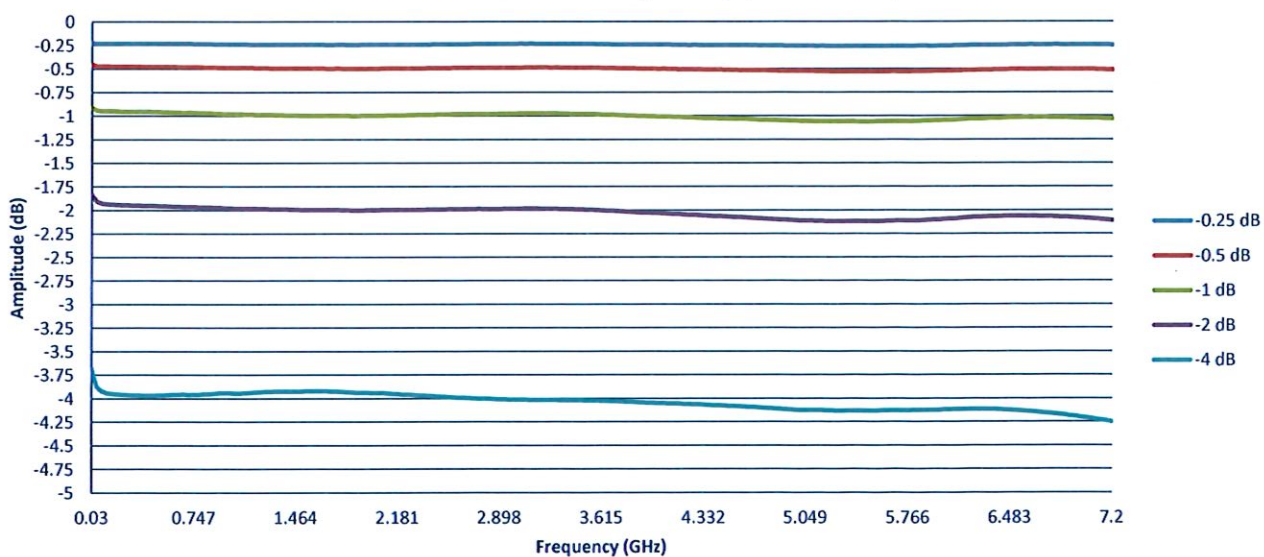
Insertion Loss



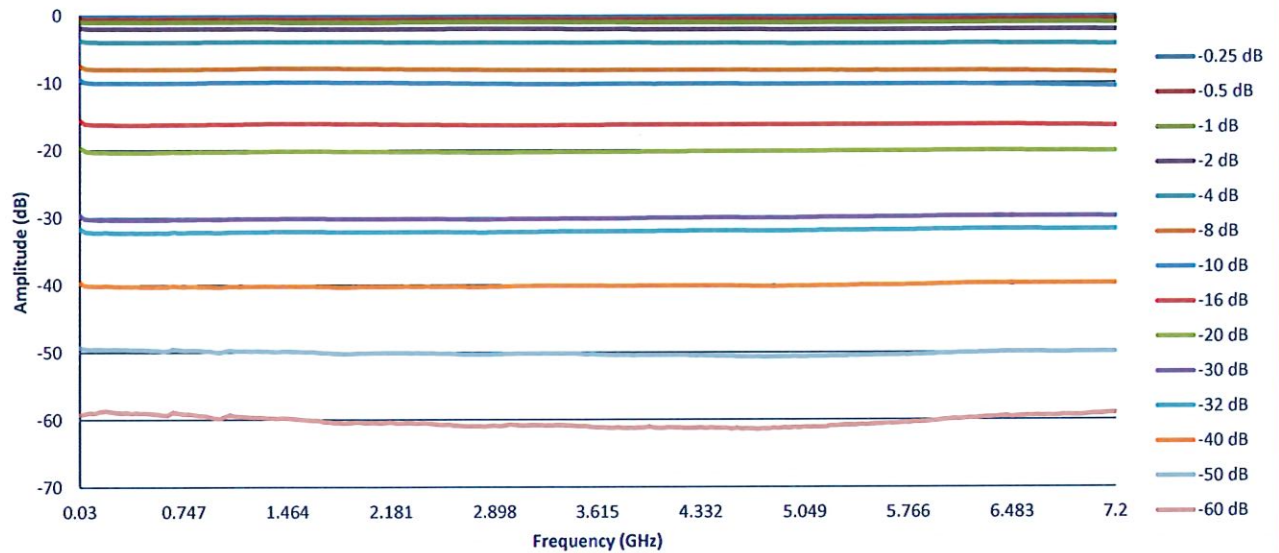
Return Loss



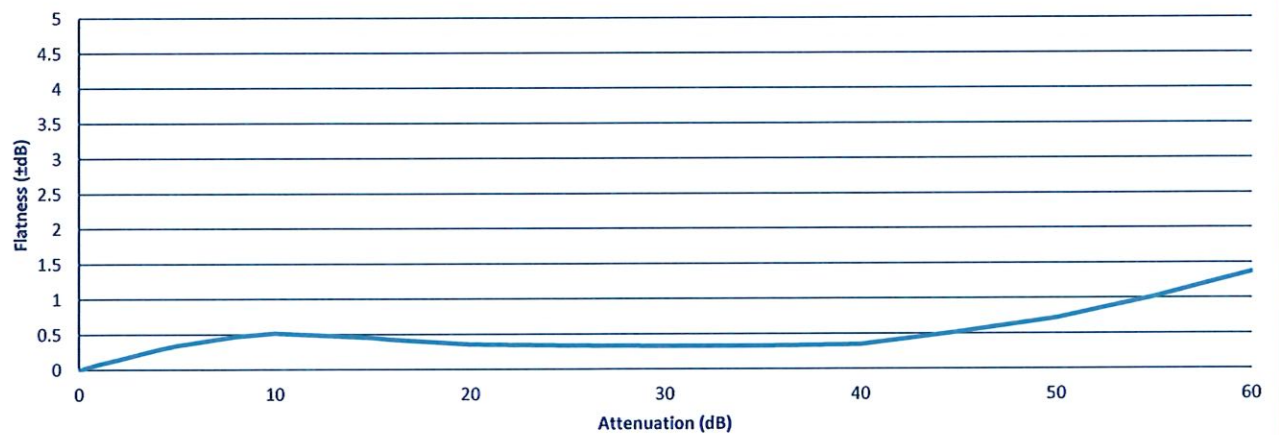
Attenuation vs. Frequency (Small Bits)



Attenuation vs. Frequency (All Bits)



Flatness



Accuracy

