



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

Customer: _____
Job No: _____
Model No: DTA-30M6G-60-CD-1
Serial No: PL60921/2627

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.	3.26 dB See Plot	
4	Return Loss:	-8.5 dB Max.	-9.36 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	±0.35 dB ±0.42 dB ±0.59 dB ±1.99 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 ±0.17 dB ±0.06 dB See Plot	
7	Switching Speed:	50 µs Max.	See Typical Characteristics	
8	Monotonicity:	Verify	Pass	
9	DC Supply:	+12 VDC @ 155 mA Max.	79 mA	

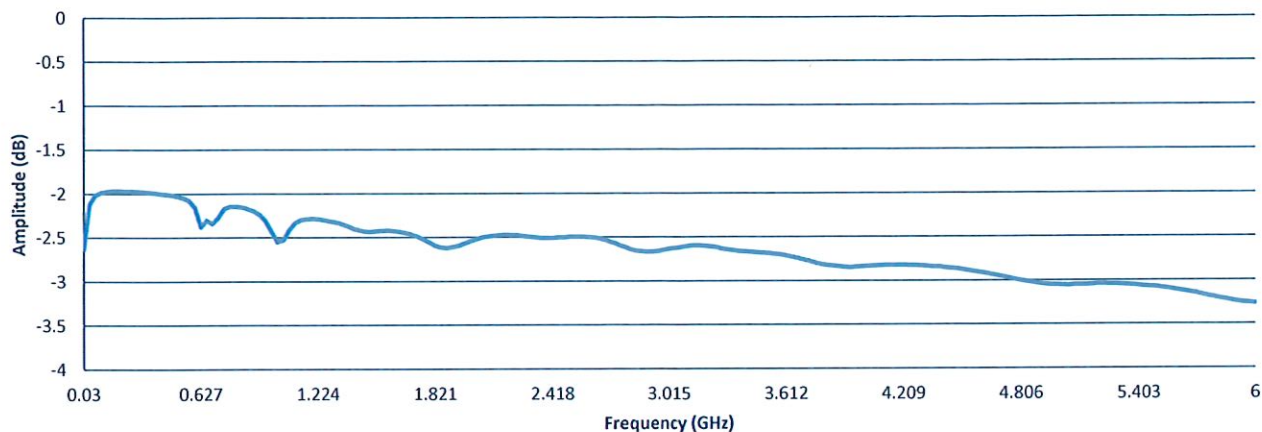
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.24	0.01	0.02
0.50	0.49	0.01	0.04
1.00	0.98	0.02	0.07
2.00	1.97	0.03	0.14
4.00	3.95	0.05	0.23
8.00	7.94	0.06	0.32
16.00	15.91	0.09	0.41
32.00	31.83	0.17	0.59
63.75	63.78	-0.03	0.40

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.95	0.05	0.26
10.00	9.95	0.05	0.35
15.00	14.88	0.12	0.40
20.00	19.92	0.08	0.42
25.00	24.88	0.12	0.56
30.00	29.89	0.11	0.61
35.00	34.91	0.09	0.59
40.00	39.90	0.10	0.59
45.00	44.91	0.09	0.52
50.00	49.94	0.06	0.56
55.00	54.95	0.05	1.01
60.00	59.99	0.01	1.99

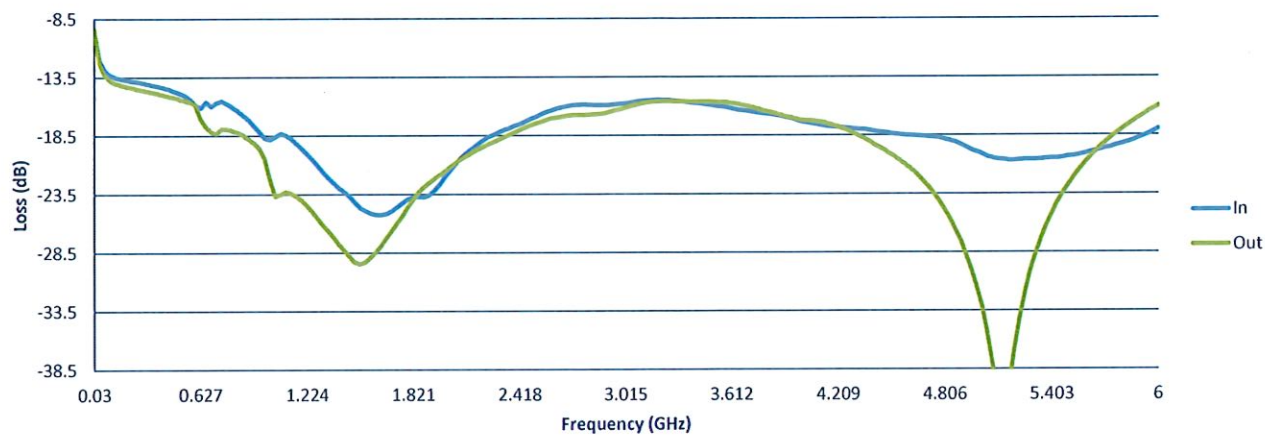
QA/QC Approval: Anthony Hardy PMI QA6

Date: 6/30/26

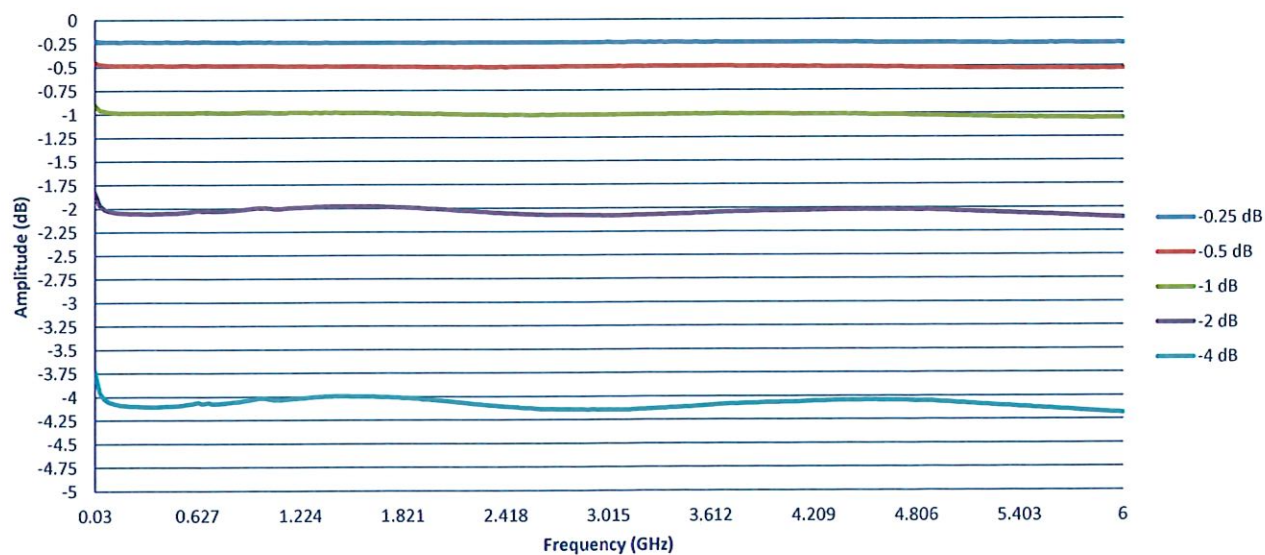
Insertion Loss



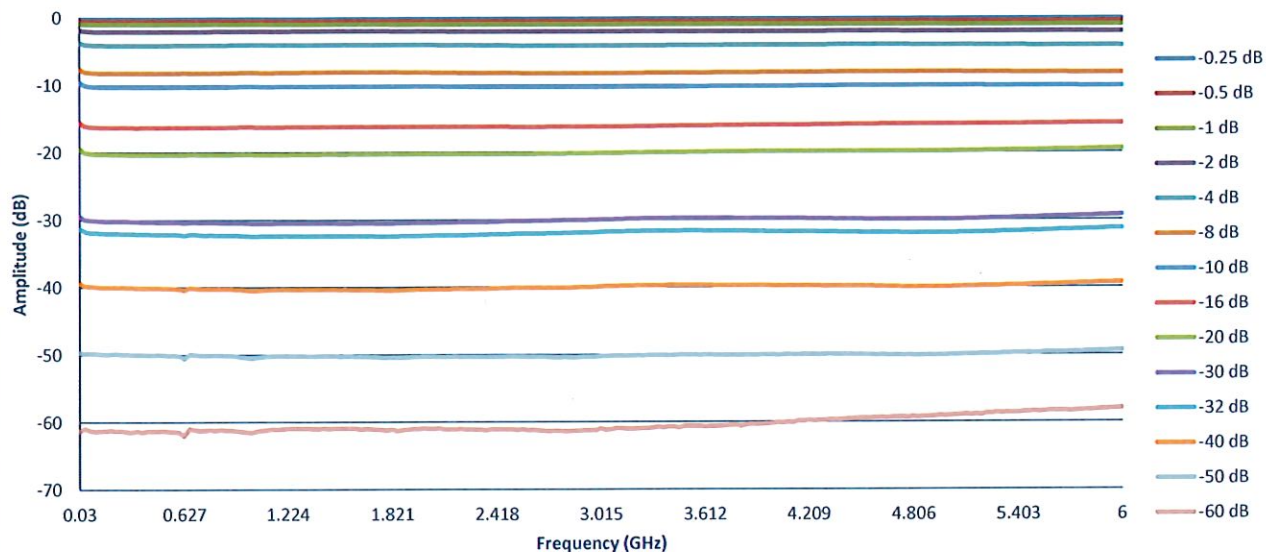
Return Loss



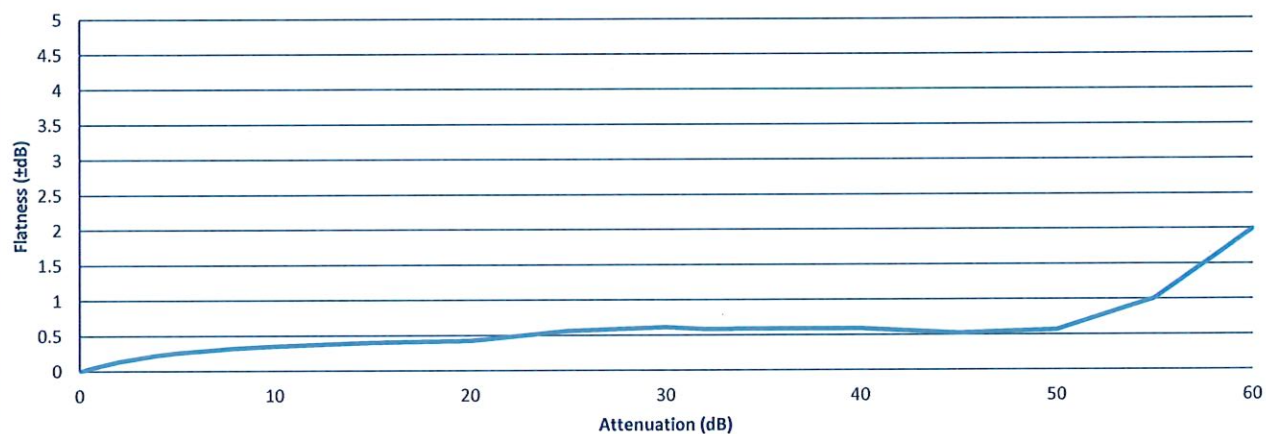
Attenuation vs. Frequency (Small Bits)



Attenuation vs. Frequency (All Bits)



Flatness



Accuracy

