



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

Customer: _____
Job No: _____
Model No: DTA-30M6G-60-CD-1
Serial No: PL60916/2627

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	64.1 dB See Plot	
3	Insertion Loss:	4.0 dB Max.	3.44 dB See Plot	
4	Return Loss:	-8.5 dB Max.	-9.59 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	±0.32 dB ±0.38 dB ±0.55 dB ±1.06 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	±0.13 dB ±0.08 dB ±0.3 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	PMI QA6

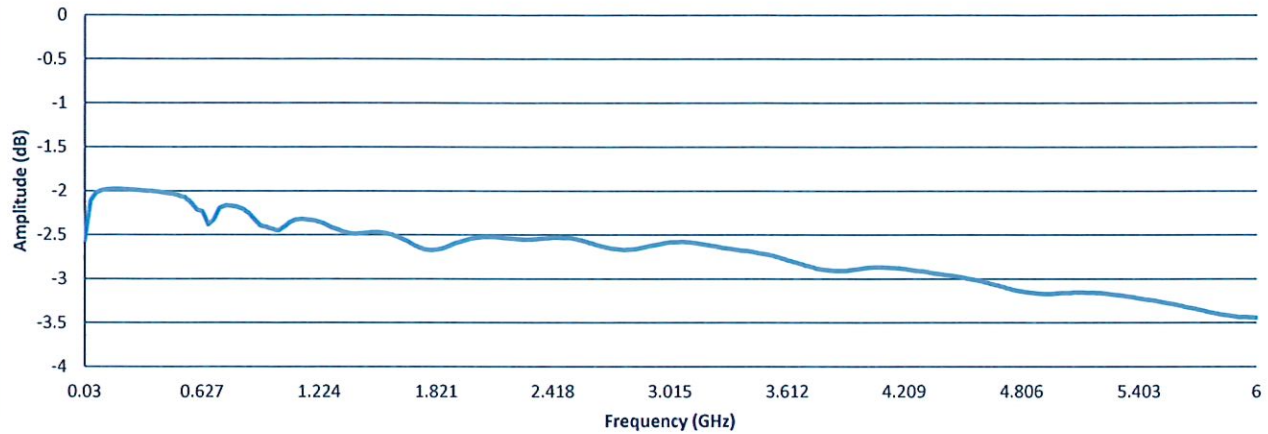
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.24	0.01	0.02
0.50	0.49	0.01	0.04
1.00	0.98	0.02	0.07
2.00	1.98	0.02	0.12
4.00	3.98	0.02	0.20
8.00	7.97	0.03	0.29
16.00	15.98	0.02	0.35
32.00	31.95	0.05	0.39
63.75	64.09	-0.34	0.35

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.97	0.03	0.23
10.00	9.99	0.01	0.32
15.00	14.93	0.07	0.35
20.00	19.98	0.02	0.38
25.00	24.91	0.09	0.45
30.00	29.97	0.03	0.42
35.00	34.92	0.08	0.40
40.00	39.96	0.04	0.55
45.00	44.96	0.04	0.71
50.00	49.94	0.06	0.70
55.00	54.93	0.07	0.69
60.00	59.70	0.30	1.06

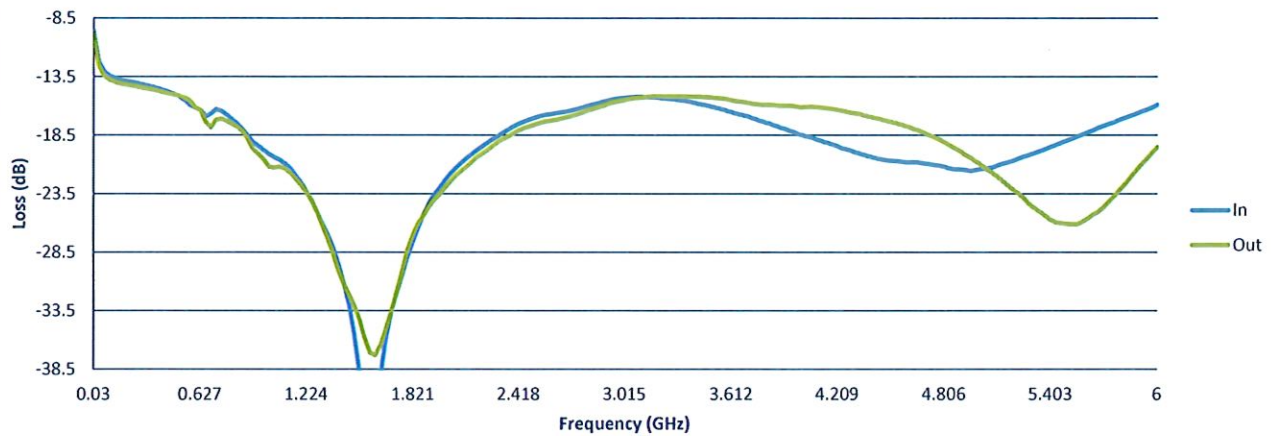
QA/QC Approval: Anthony Kovaly PMI QA6

Date: 6/30/26

Insertion Loss



Return Loss



Attenuation vs. Frequency (Small Bits)

