Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-30M2D5G-60DB-10B

Customer:
Job No:
Model No: DTA-30M2D5G-60DB-10B
Serial No: PL51039/2504

Tested By: K. Mansfield
Date: Monday, January 20, 2025
Temperature: +25° C
Drawing No: 27636640 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	30 MHz to 2.5 GHz	30 MHz to 2.5 GHz	PMI QA4
2	Mean Attenuation Range:	60 dB	64 dB	
3	Insertion Loss:	4.5 dB Max.	2.3 dB See Plot	
4	VSWR:	2.0:1 Max.	1.7:1 See Plot	
5	Flatness to 20 dB:	± 0.6 dB Typ.	±0.42 dB See Plot	
6	Flatness to 40 dB:	± 1.0 dB Typ.	±0.72 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±1.49 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 0.5 dB Max.	±0.09 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 0.75 dB Max.	±0.11 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 1.5 dB Max.	±0.08 dB See Plot	
11	Minimum Attenuation Step:	0.06 dB	0.06 dB	
12	Switching Time:	1.0 µs Max.	See Typical Characteristics	
12	DC Power Supply:	+12 to +15 V @ 100 mA Max. -12 to -15 V @ 100 mA Max.	+V @ 130 mA -V @ 0 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.06	0.00	0.00
0.125	0.13	0.00	0.01
0.25	0.25	0.00	0.01
0.50	0.49	0.01	0.02
1.00	0.99	0.01	0.04
2.00	1.98	0.02	0.08
4.00	3.97	0.03	0.13
8.00	7.96	0.04	0.22
16.00	15.97	0.06	0.36
32.00	31.94	0.06	0.61
62.00	61.99	0.01	1.75
63.94	63.99	-0.05	2.01

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.91	0.09	0.16
10.00	9.97	0.03	0.25
15.00	14.94	0.06	0.34
20.00	19.96	0.04	0.42
25.00	24.89	0.11	0.50
30.00	29.95	0.05	0.59
35.00	34.92	0.08	0.65
40.00	39.96	0.04	0.72
45.00	44.92	0.08	0.76
50.00	49.97	0.03	0.92
55.00	54.98	0.02	1.15
60.00	60.00	0.00	1.49

QA/QC Approval: Cameron Kelly Date: 2/11/25

7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

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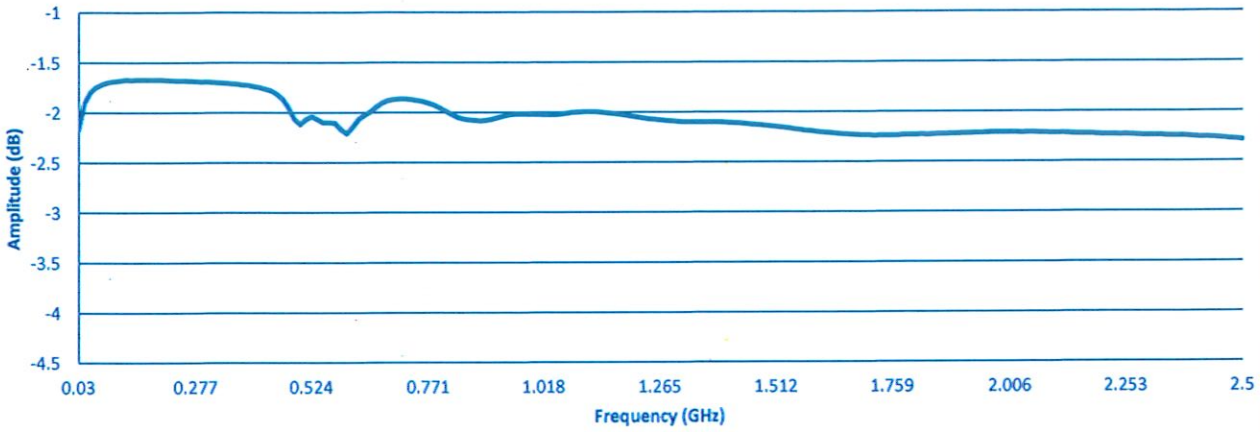
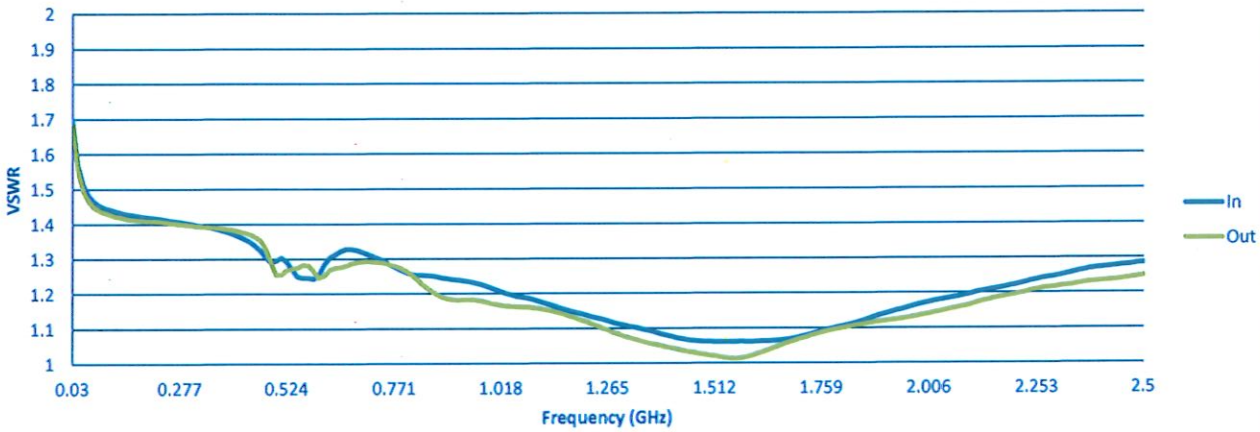
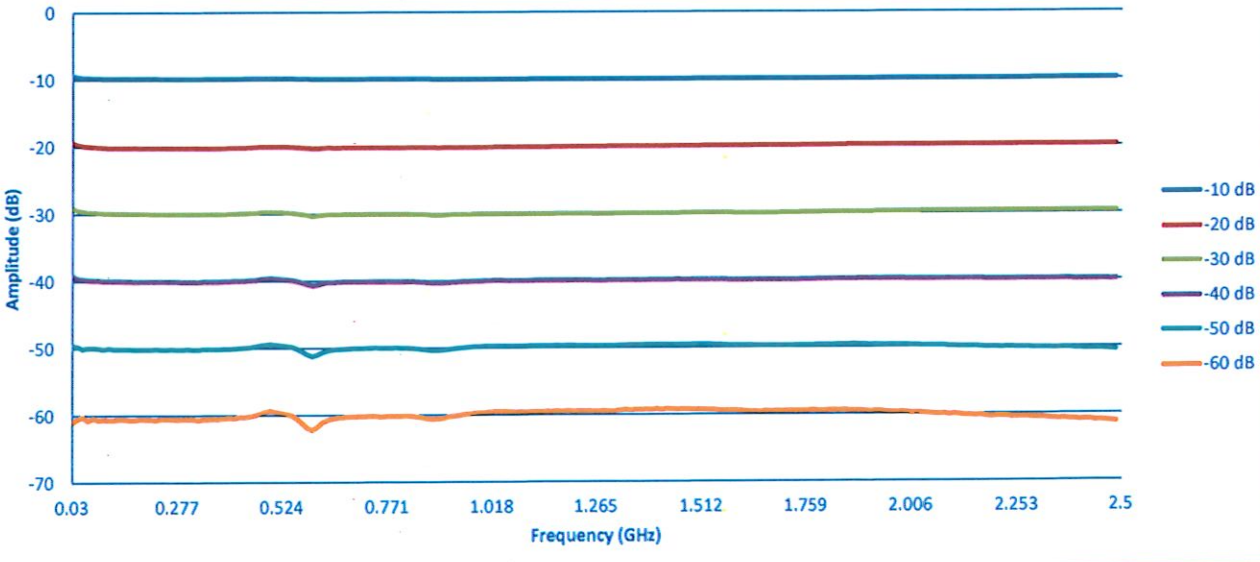
Insertion Loss



VSWR



Attenuation vs. Frequency



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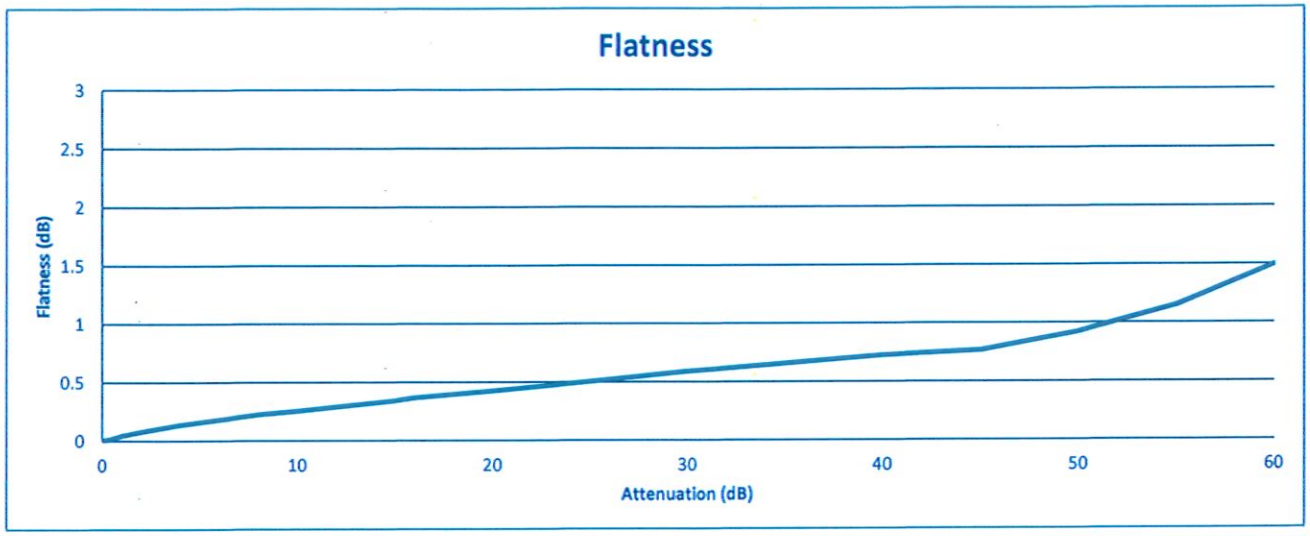

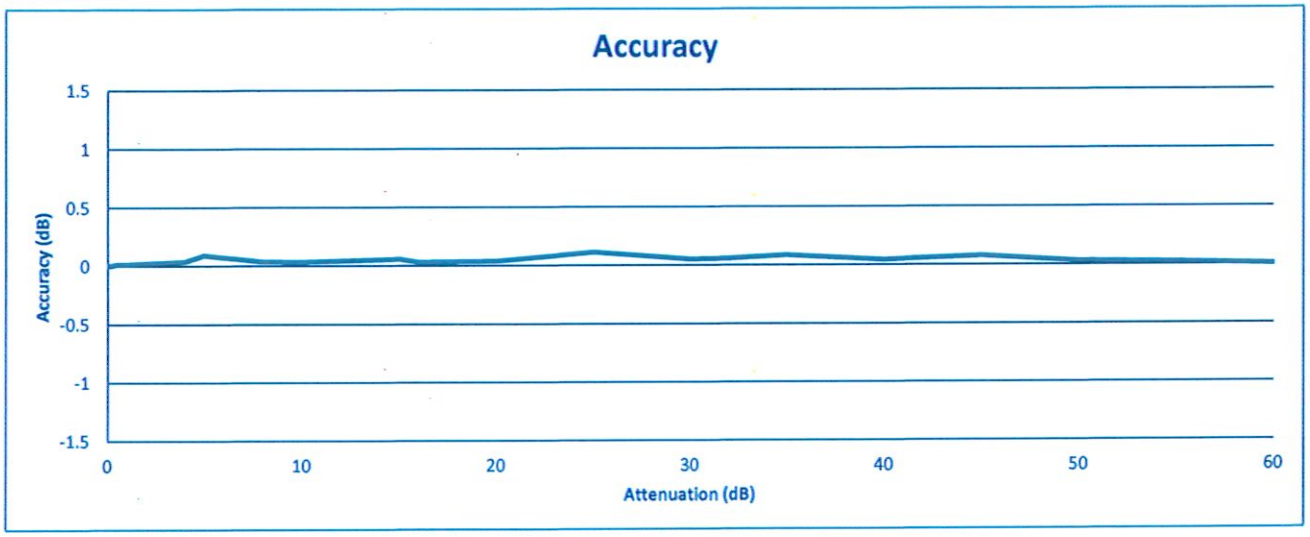

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