Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-0R4G18G-60-CD-1

Customer: _____
Job No: _____
Model No: DTA-0R4G18G-60-CD-1
Serial No: PL50817/2501

Tested By: A. Mousavi
Date: Thursday, January 2, 2025
Temperature: +25° C
Drawing No: 27037160 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.4 GHz – 18 GHz	0.4 GHz – 18 GHz	PMI QA4
2	Insertion Loss:	4.8 dB Max.	4.3 dB See Plot	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot	
4	Flatness to 20 dB:	± 1.5 dB Max.	±0.54 dB See Plot	
6	Flatness to 40 dB:	± 1.75 dB Max.	±1.33 dB See Plot	
7	Flatness to 60 dB:	± 5.0 dB Max.	±4.67 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Max.	±0.13 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Max.	±0.24 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Max.	±0.41 dB See Plot	
11	Switching Speed:	1.0 µs Max. On 0.5 µs Max. Off	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15 VDC @ 150 mA Max.	120 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.08	-0.01	0.02
0.125	0.13	-0.01	0.03
0.25	0.25	0.00	0.04
0.50	0.49	0.01	0.05
1.00	0.99	0.01	0.06
2.00	1.99	0.01	0.12
4.00	3.98	0.02	0.24
8.00	7.98	0.02	0.41
16.00	16.10	-0.15	0.35
32.00	32.15	-0.15	1.03
62.00	62.72	-0.72	5.57
63.94	64.82	-0.88	6.38

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.95	0.05	0.32
10.00	10.03	-0.03	0.39
15.00	15.05	-0.05	0.37
20.00	20.13	-0.13	0.54
25.00	25.13	-0.13	0.77
30.00	30.20	-0.20	0.96
35.00	35.19	-0.19	1.11
40.00	40.24	-0.24	1.33
45.00	45.24	-0.24	1.63
50.00	50.15	-0.15	2.20
55.00	55.10	-0.10	3.09
60.00	60.41	-0.41	4.67

QA/QC Approval: Cameron Velez Date: 2/3/25

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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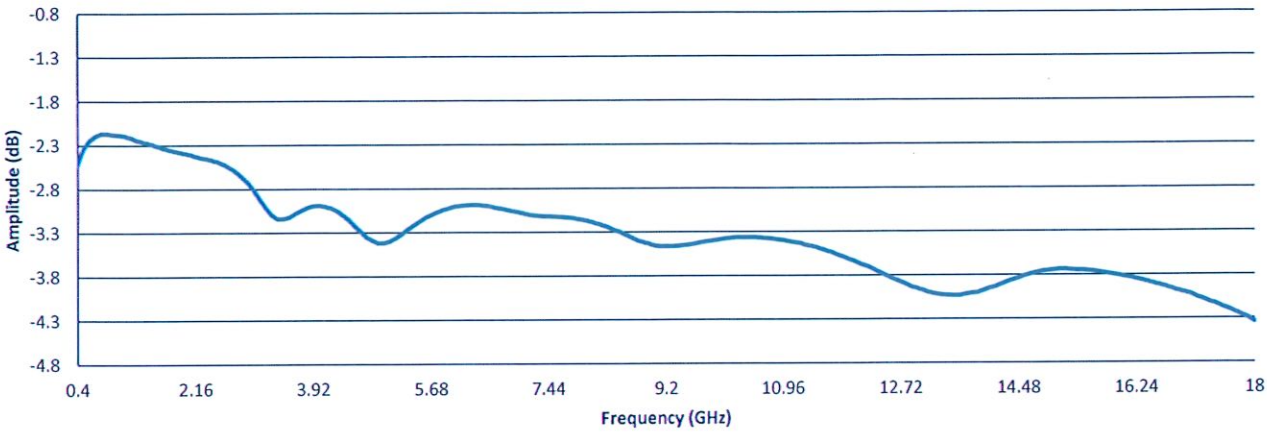
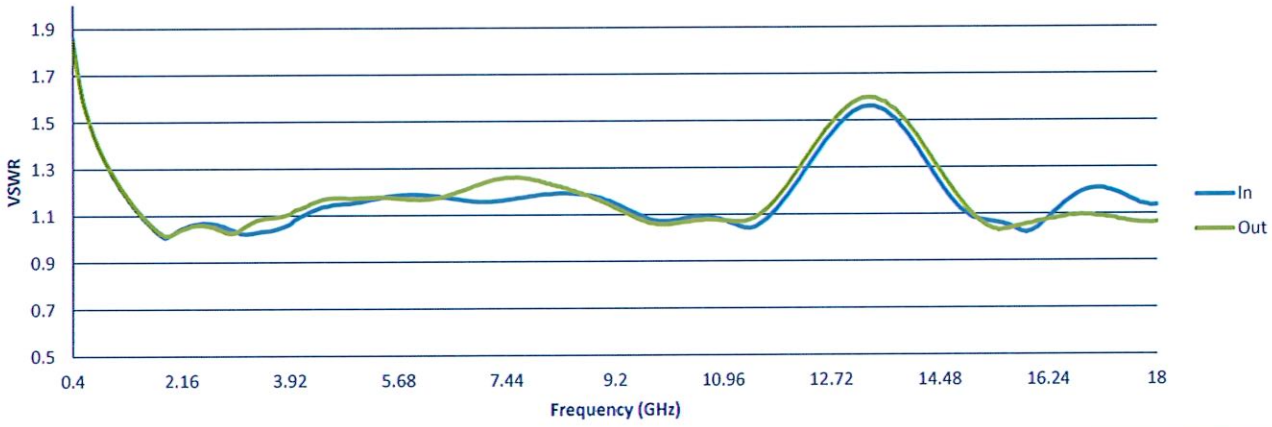
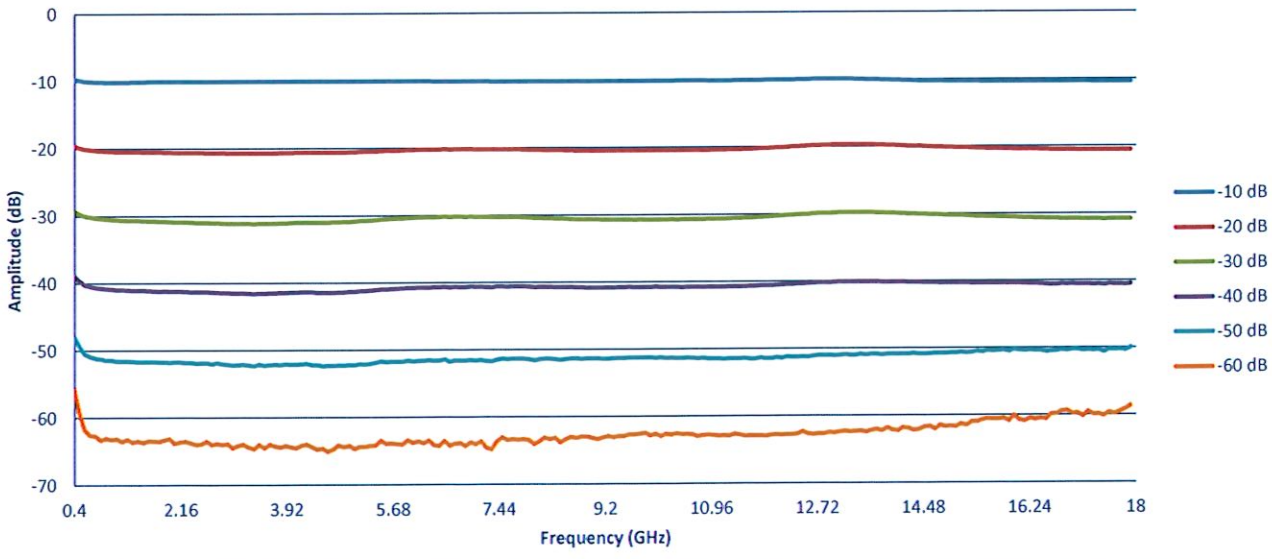
Insertion Loss



VSWR



Attenuation vs. Frequency



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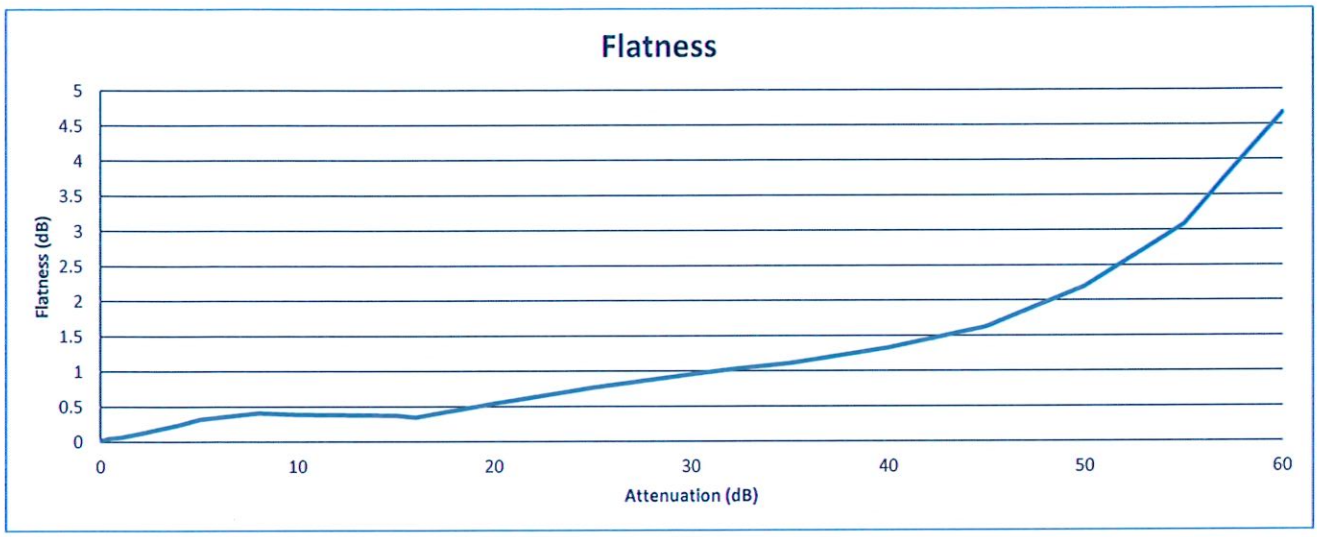

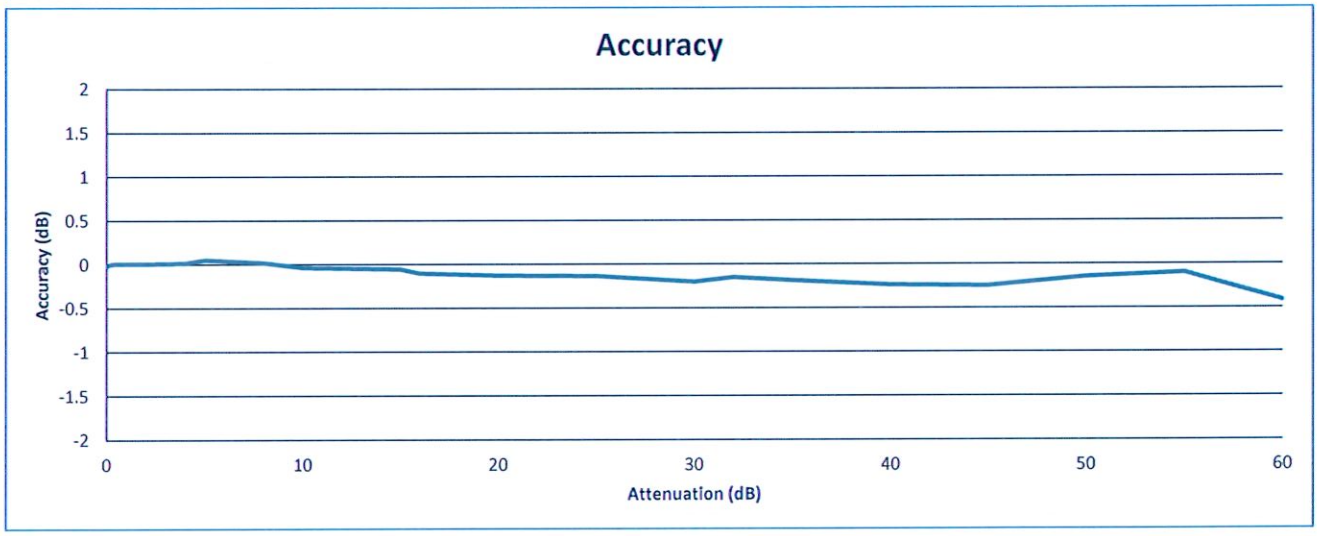

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