Quantic PMI
PLANAR MONOLITHICS

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

Customer: [redacted]
Job No: [redacted]
Model No: DTA-0R4G18G-60-CD-1
Serial No: PL42562/2342

Tested By: K. Mansfield
Date: Wednesday, October 18, 2023
Temperature: +25° C
Drawing No: 27637160 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.4 GHz – 18 GHz	0.4 GHz – 18 GHz	PMI QA2
2	Insertion Loss:	4.8 dB Max.	3.8 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.49 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.01 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±3.25 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.07 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.37 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±1.38 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.	104 mA	PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.08	-0.02	0.03
0.125	0.14	-0.01	0.03
0.25	0.25	0.00	0.04
0.50	0.50	0.00	0.06
1.00	1.01	-0.01	0.09
2.00	2.03	-0.03	0.17
4.00	4.06	-0.06	0.30
8.00	8.01	-0.01	0.34
16.00	15.99	0.15	0.33
32.00	31.85	0.15	0.83
62.00	60.38	1.62	3.86
63.94	62.05	1.88	4.49

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.93	0.07	0.32
10.00	9.99	0.01	0.36
15.00	14.95	0.05	0.33
20.00	19.98	0.02	0.49
25.00	24.91	0.09	0.68
30.00	29.88	0.12	0.81
35.00	34.78	0.22	0.86
40.00	39.63	0.37	1.01
45.00	44.39	0.61	1.22
50.00	49.34	0.66	1.63
55.00	54.24	0.76	2.25
60.00	58.62	1.38	3.25

QA/QC Approval: [signature] PMI QA2 Date: 10/20/2023

7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
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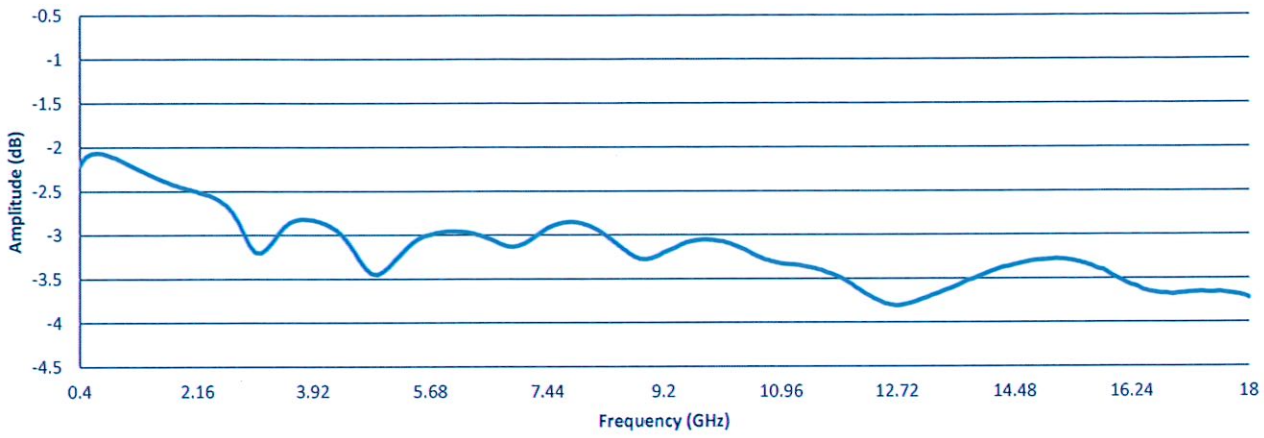
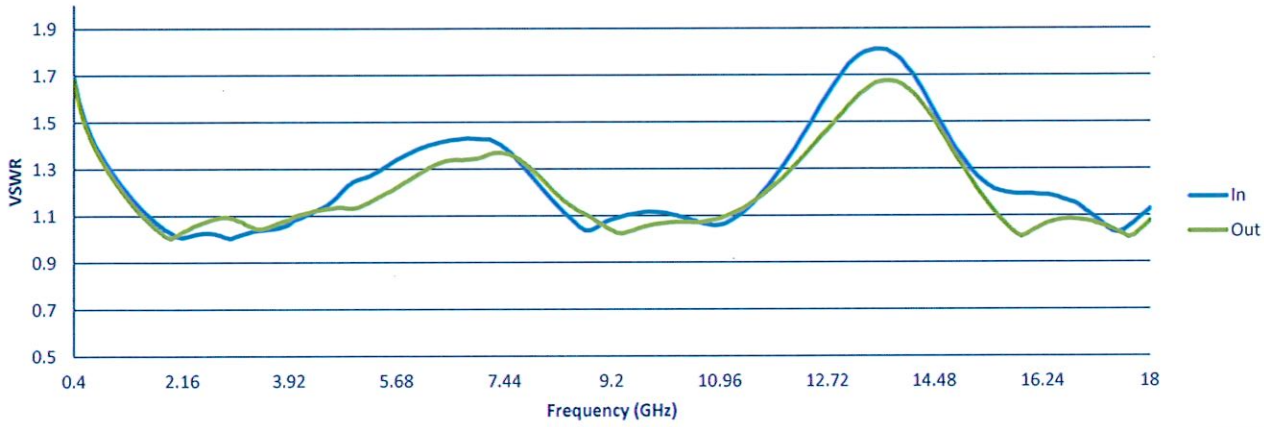
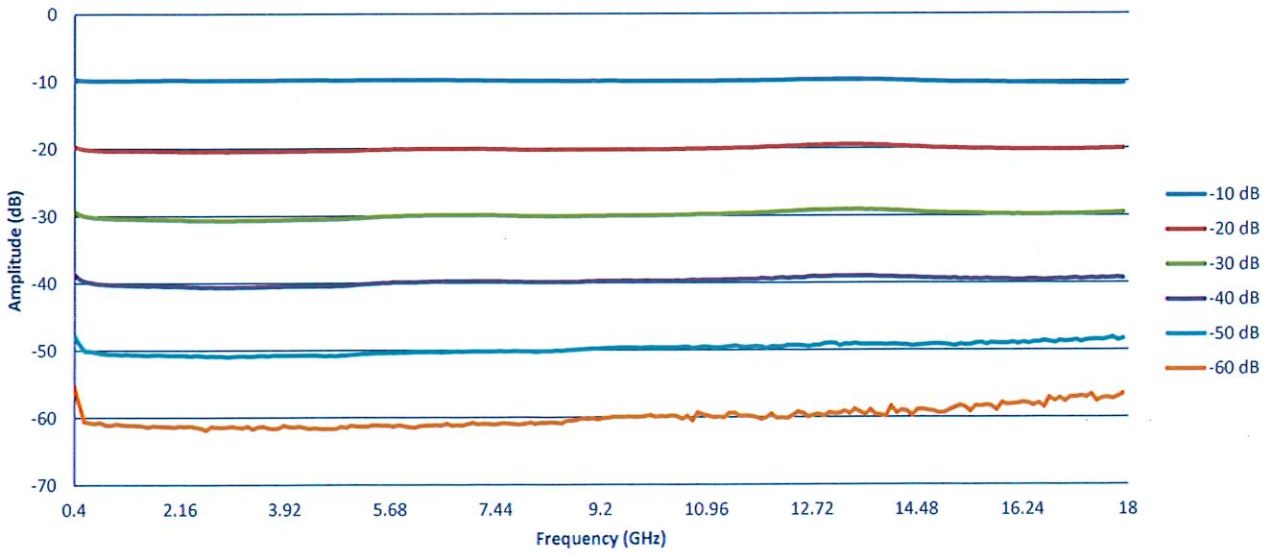
Insertion Loss



VSWR



Attenuation vs. Frequency



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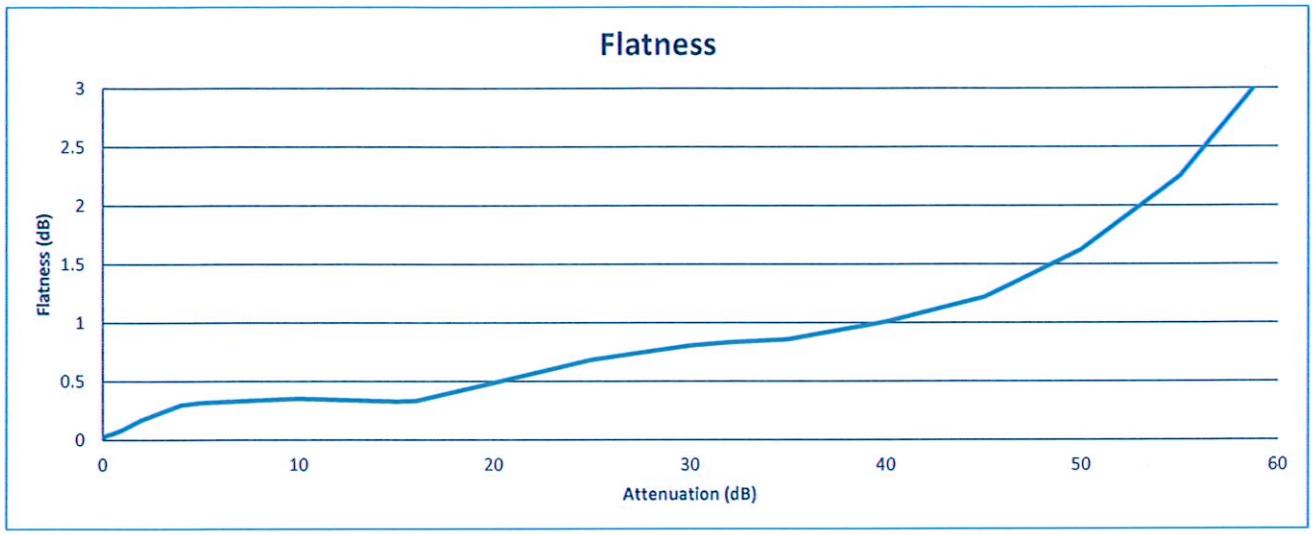

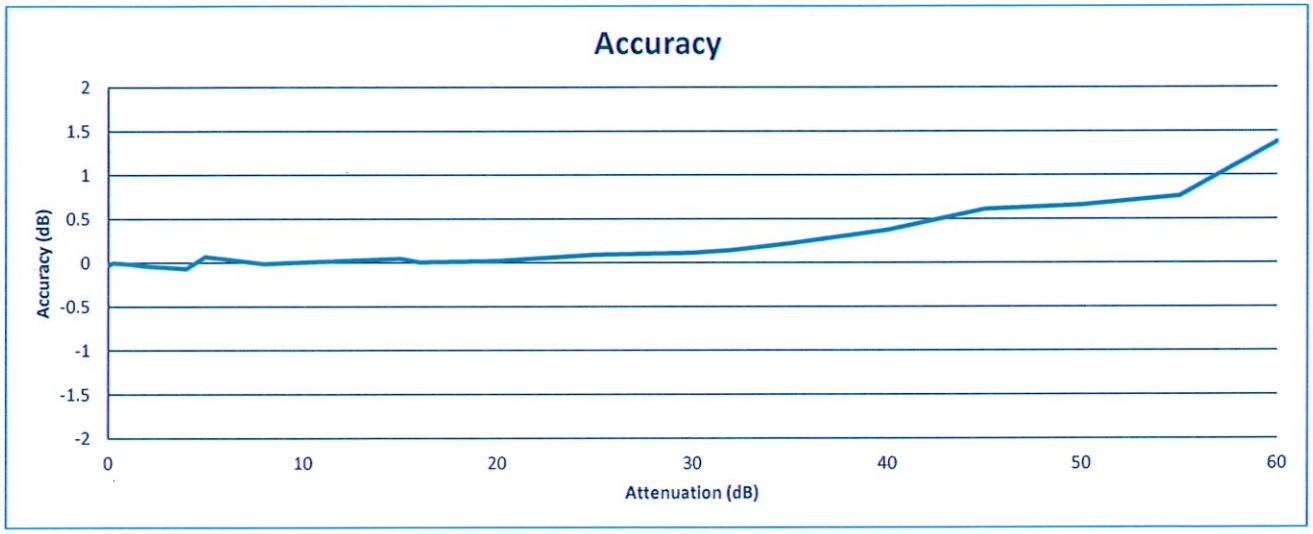

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