Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1

Customer: [redacted]
Job No: [redacted]
Model No: DTA-0R5G18G-60-CD-1
Serial No: PL45744/2417

Tested By: A. Mousavi
Date: Tuesday, April 30, 2024
Temperature: +25° C
Drawing No: 27617795 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA2
2	Insertion Loss:	4.8 dB Max.	4.3 dB See Plot	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.53 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.88 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±2.08 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.16 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.29 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.33 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.	140 mA	PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.00	0.06	0.00
0.125	0.13	-0.01	0.03
0.25	0.26	-0.01	0.04
0.50	0.51	-0.01	0.04
1.00	1.02	-0.02	0.08
2.00	2.02	-0.02	0.15
4.00	4.04	-0.04	0.28
8.00	8.06	-0.06	0.41
16.00	16.11	-0.21	0.41
32.00	32.21	-0.21	0.79
62.00	62.32	-0.32	2.33
63.94	64.21	-0.27	2.66

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.34
10.00	10.10	-0.10	0.39
15.00	15.07	-0.07	0.42
20.00	20.16	-0.16	0.53
25.00	25.14	-0.14	0.65
30.00	30.24	-0.24	0.76
35.00	35.23	-0.23	0.81
40.00	40.29	-0.29	0.88
45.00	45.33	-0.33	0.98
50.00	50.31	-0.31	1.21
55.00	55.26	-0.26	1.51
60.00	60.28	-0.28	2.08

QA/QC Approval: PMI QA2 Date: 4/30/2024

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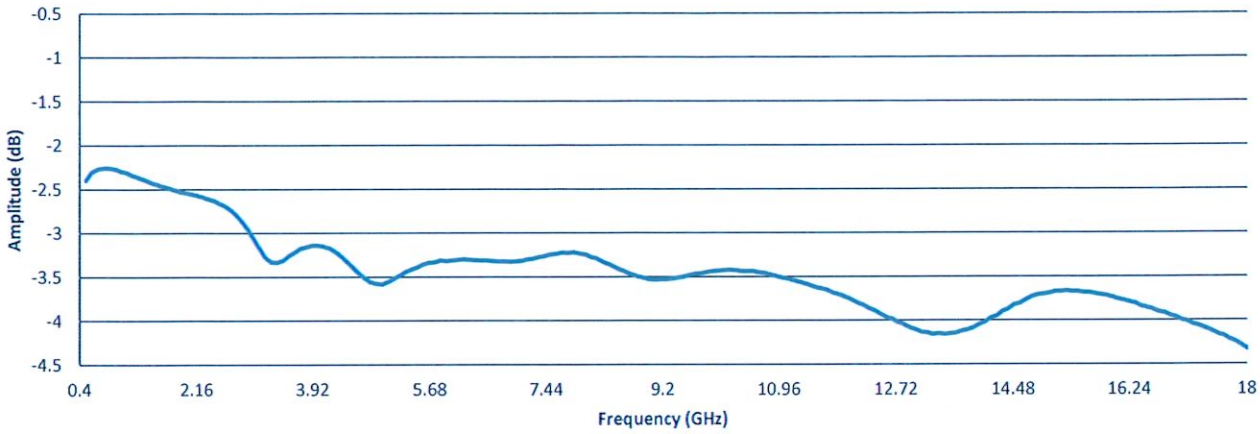
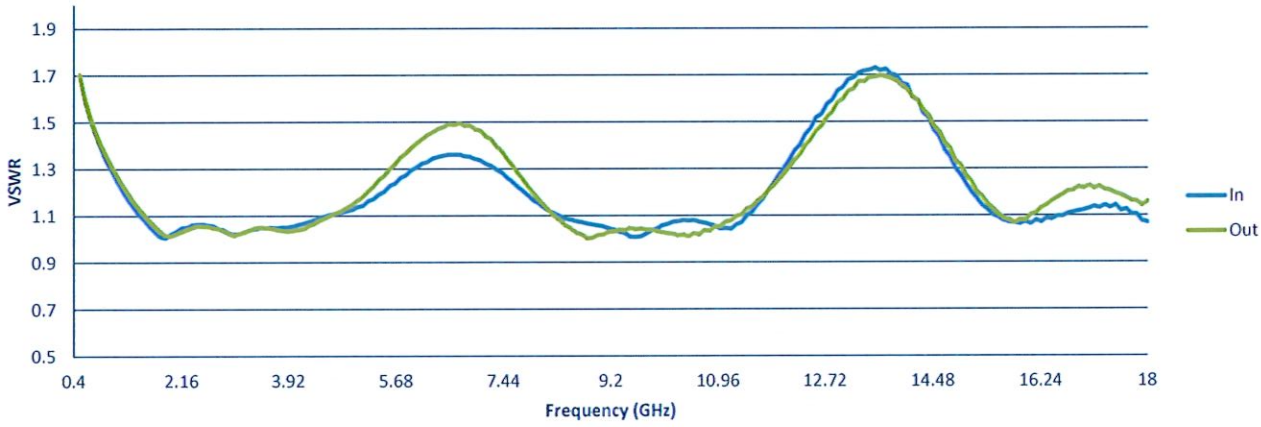
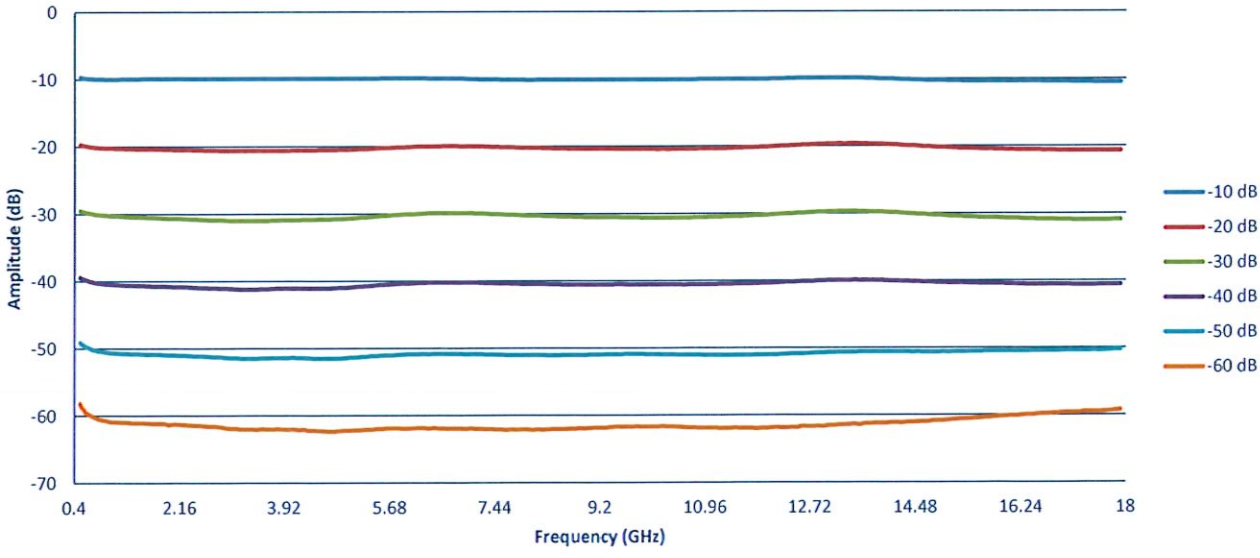
Insertion Loss



VSWR



Attenuation vs. Frequency



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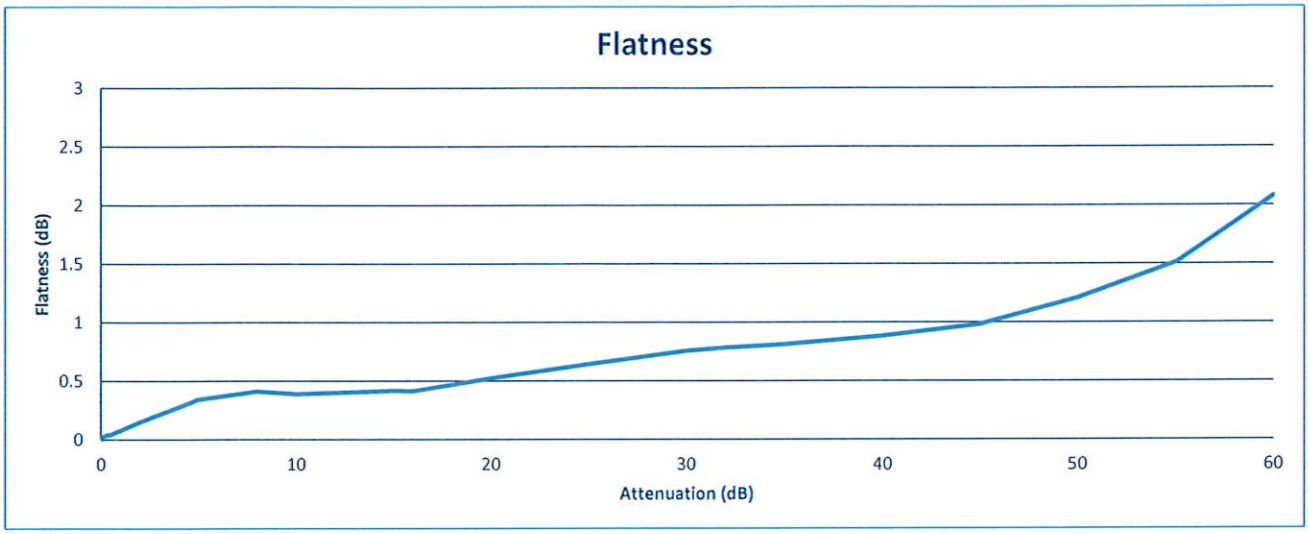

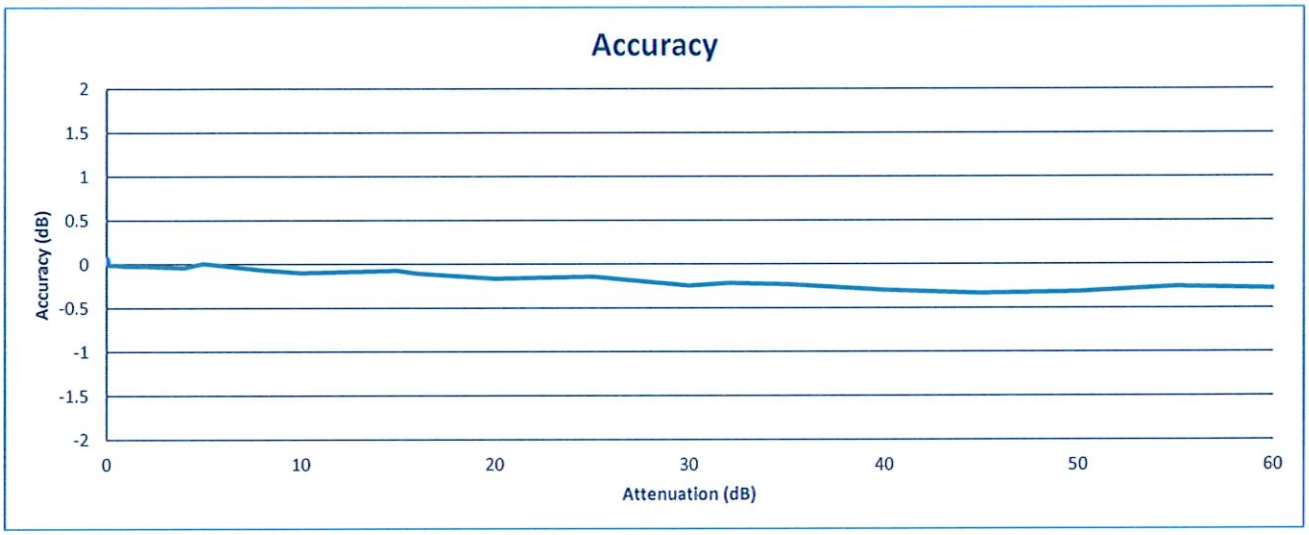

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