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: PL45736/2417

Tested By: A. Mousavi
Date: Friday, April 26, 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.	4.6 dB See Plot	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.45 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.77 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±1.88 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.1 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.1 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.12 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 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	0.04
0.25	0.24	0.01	0.05
0.50	0.49	0.01	0.06
1.00	0.99	0.01	0.07
2.00	1.99	0.01	0.10
4.00	3.98	0.02	0.18
8.00	7.97	0.03	0.23
16.00	15.99	0.03	0.31
32.00	31.97	0.03	0.61
62.00	61.87	0.13	2.13
63.94	63.77	0.17	2.39

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.92	0.08	0.23
10.00	9.97	0.03	0.23
15.00	14.90	0.10	0.28
20.00	19.96	0.04	0.45
25.00	24.90	0.10	0.56
30.00	29.97	0.03	0.59
35.00	34.92	0.08	0.68
40.00	39.96	0.04	0.77
45.00	44.96	0.04	0.89
50.00	49.97	0.03	1.08
55.00	54.88	0.12	1.39
60.00	59.98	0.02	1.88

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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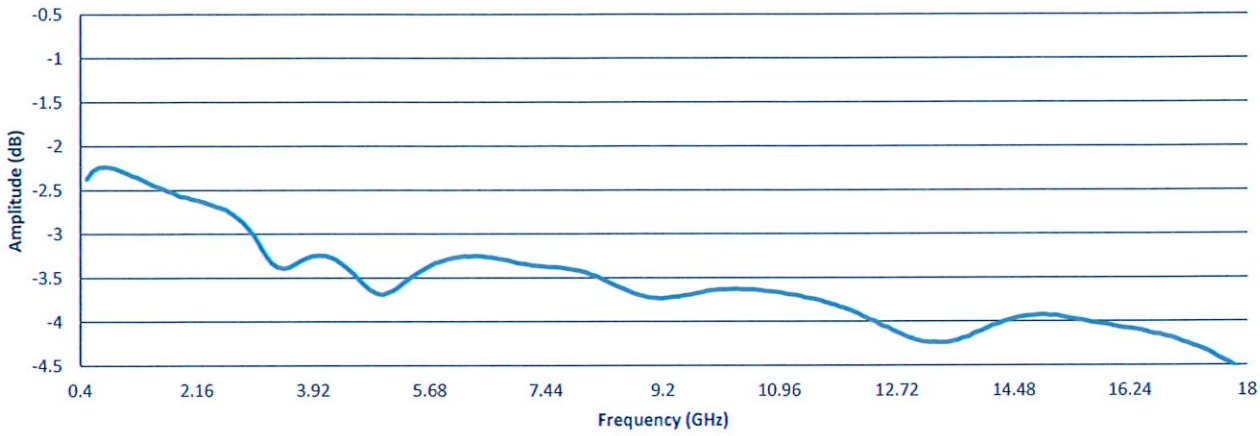
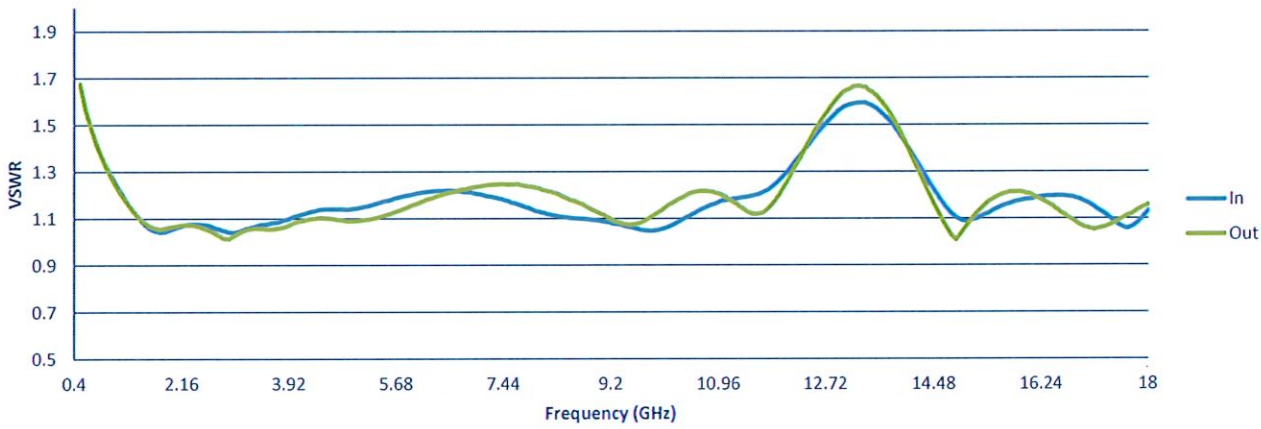
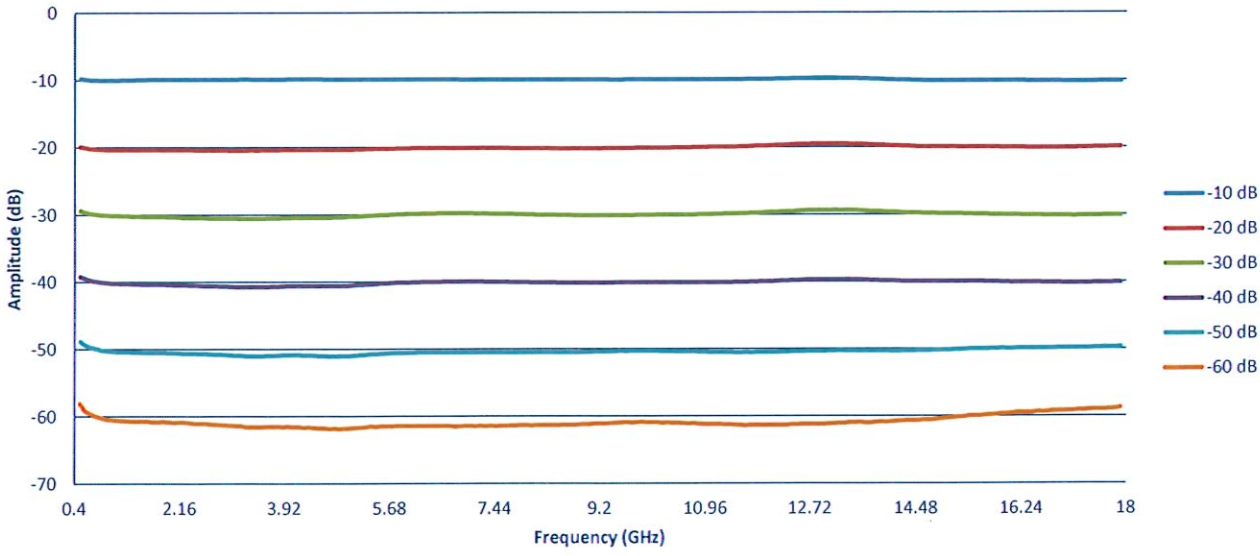
Insertion Loss



VSWR



Attenuation vs. Frequency



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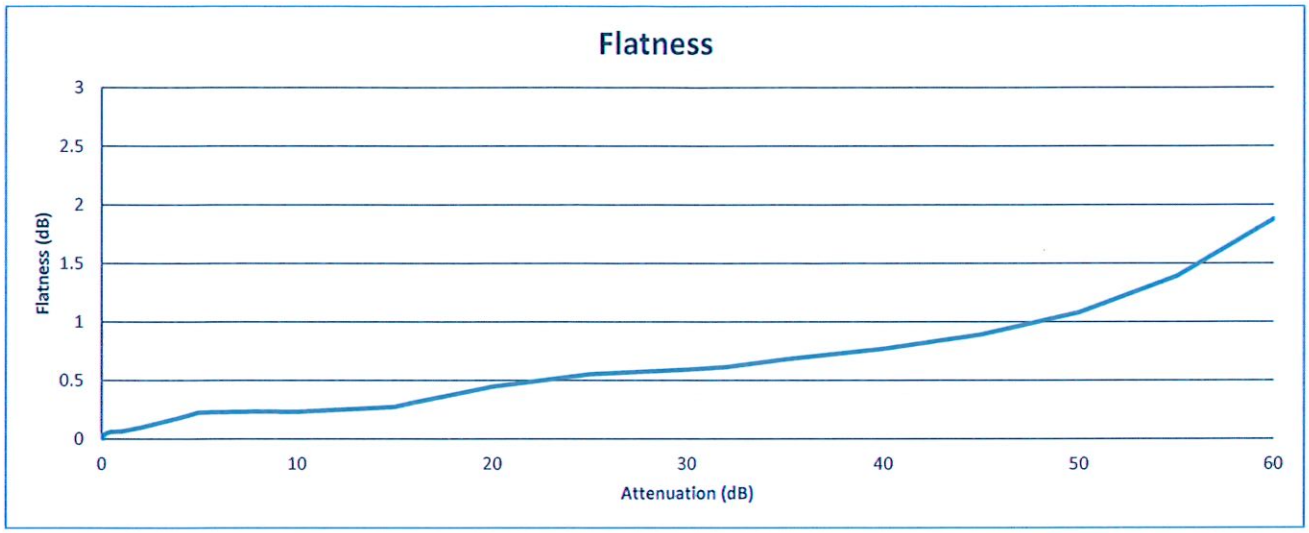

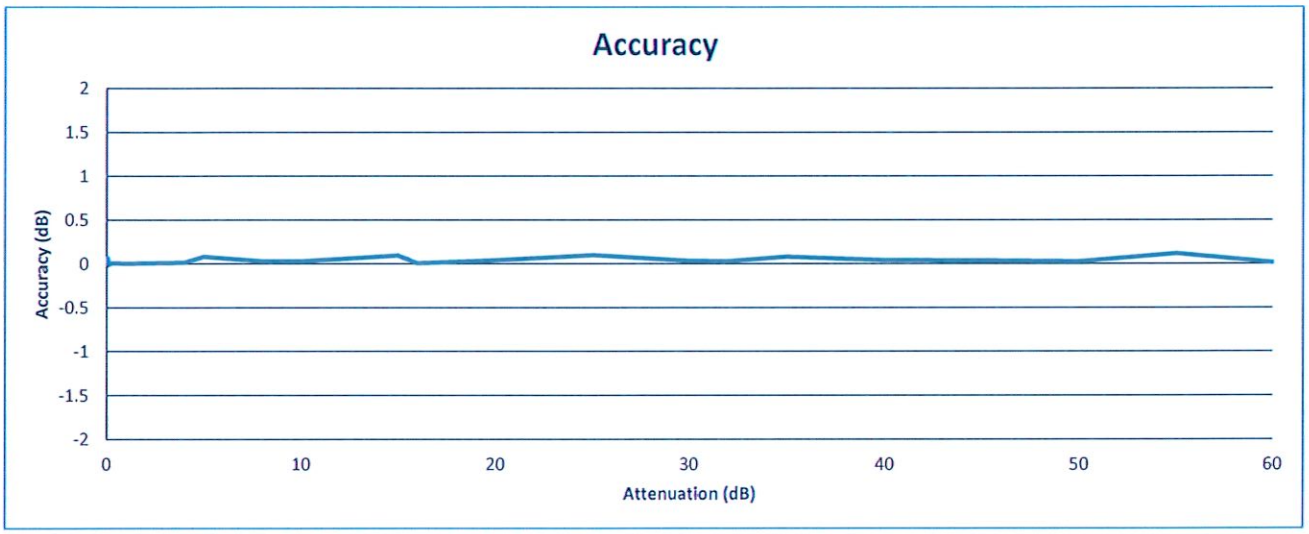

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