Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-4

Customer: [redacted]
Job No: [redacted]
Model No: DTA-0R5G18G-60-CD-4
Serial No: PL46520/2423

Tested By: A. Mousavi
Date: Thursday, June 6, 2024
Temperature: +25° C
Drawing No: 27641860 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA4
2	Insertion Loss:	4.8 dB Max.	3.7 dB See Plot	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.55 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.08 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±3.94 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.2 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.12 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.69 dB See Plot	
11	Switching Speed:	1.0 µs Max. On	< 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	0.00	0.06	0.01
0.125	0.13	-0.01	0.06
0.25	0.25	0.00	0.08
0.50	0.51	-0.01	0.10
1.00	1.01	-0.01	0.14
2.00	2.01	-0.01	0.19
4.00	4.03	-0.03	0.32
8.00	8.03	-0.03	0.36
16.00	16.01	0.08	0.37
32.00	31.92	0.08	0.84
62.00	61.25	0.75	4.52
63.94	63.10	0.84	5.28

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.80	0.20	0.36
10.00	10.03	-0.03	0.37
15.00	14.91	0.09	0.32
20.00	19.96	0.04	0.55
25.00	24.88	0.12	0.72
30.00	29.91	0.09	0.80
35.00	34.89	0.11	0.94
40.00	39.94	0.06	1.08
45.00	44.90	0.10	1.30
50.00	49.86	0.14	2.16
55.00	54.50	0.50	3.33
60.00	59.31	0.69	3.94

QA/QC Approval: Cameron Kelley Date: 6/7/24

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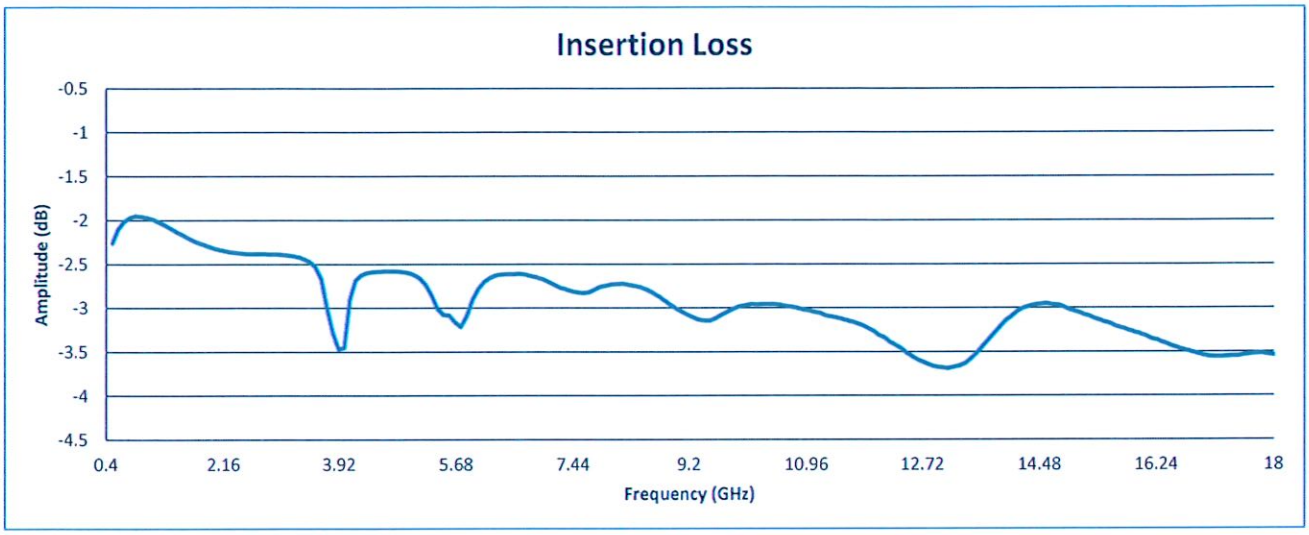

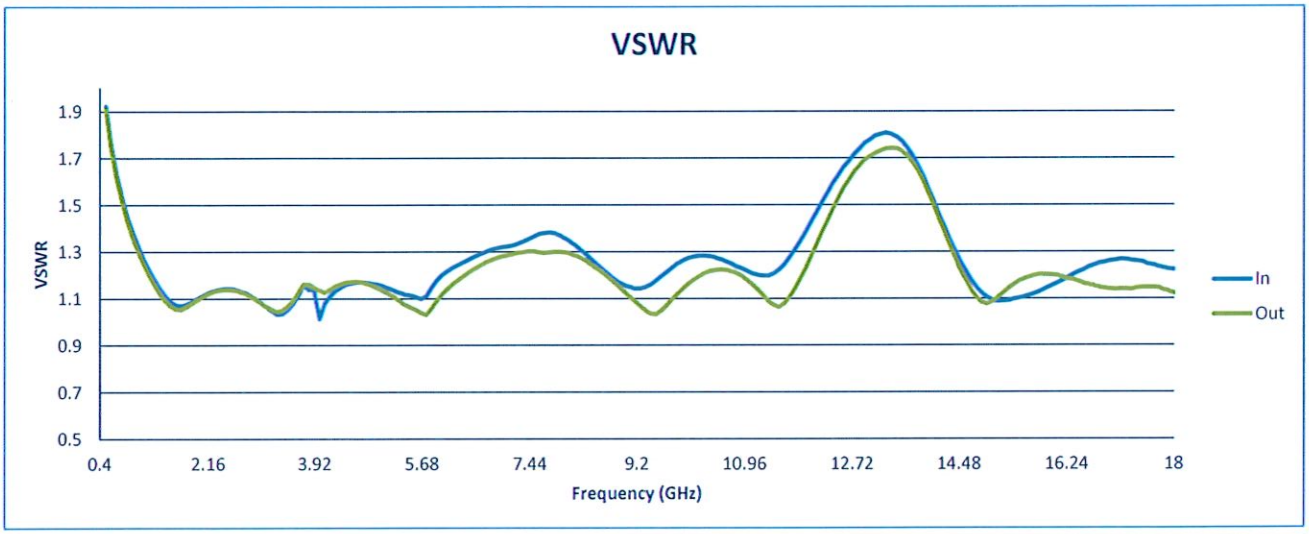

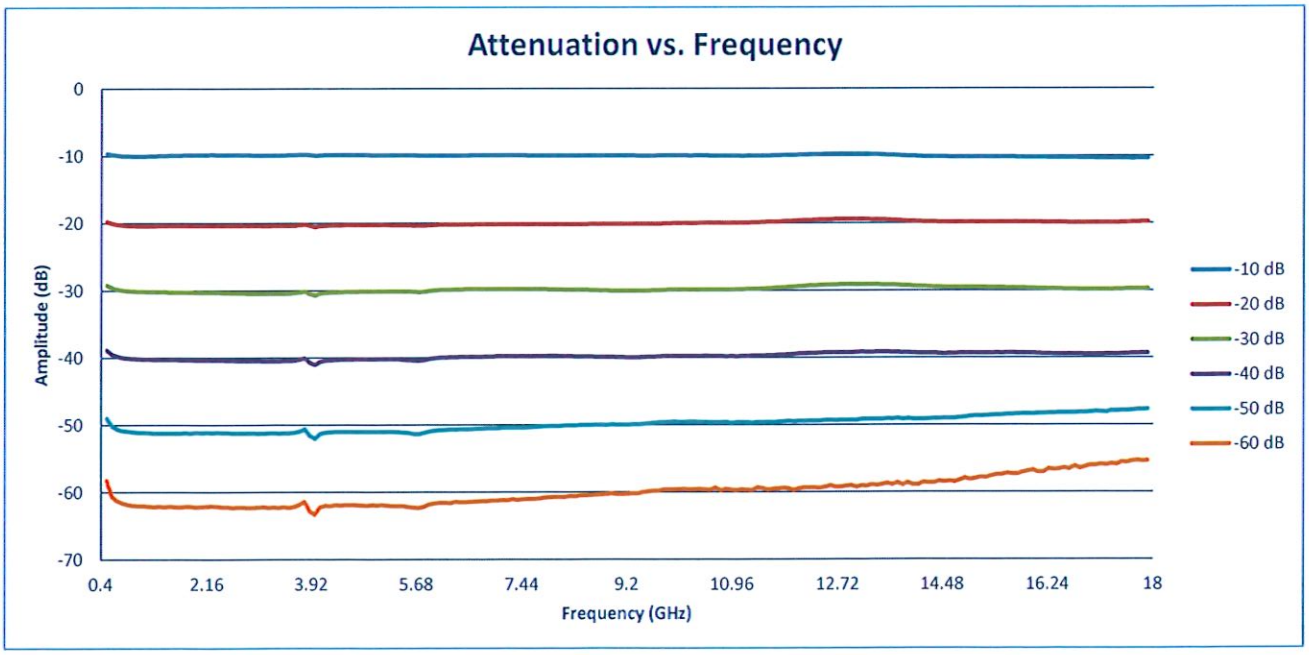

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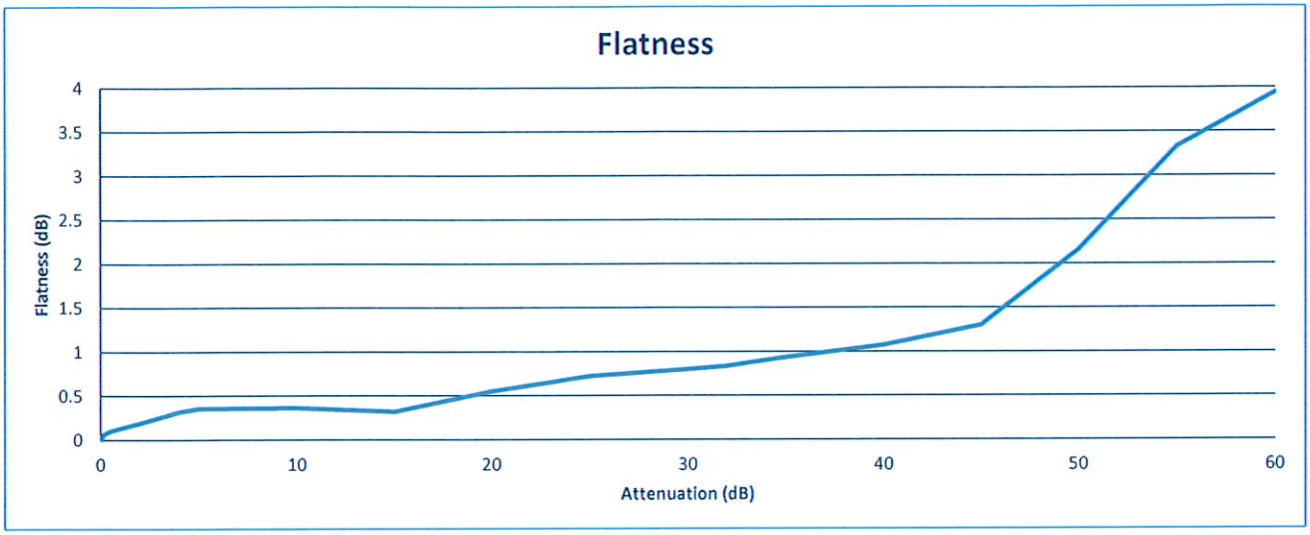

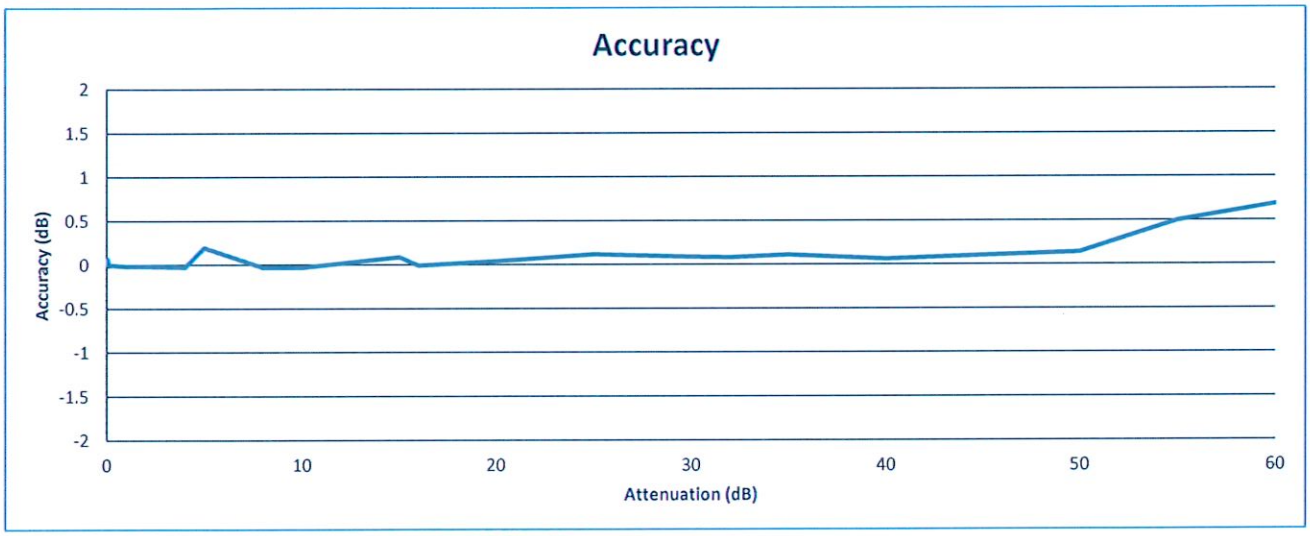

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