Quantic PMI
PLANAR MONOLITHICS

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

Customer:
Job No:
Model No: DTA-0R5G18G-60-CD-1
Serial No: PL45733/2417

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.	4.5 dB See Plot	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.46 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.83 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±2.1 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.	±0.3 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.42 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	0.00	0.03
0.25	0.25	0.00	0.04
0.50	0.50	0.00	0.05
1.00	0.99	0.01	0.07
2.00	1.98	0.02	0.13
4.00	3.97	0.03	0.23
8.00	7.95	0.05	0.29
16.00	15.93	0.23	0.31
32.00	31.77	0.23	0.74
62.00	61.63	0.37	2.71
63.94	63.37	0.57	3.15

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.91	0.09	0.29
10.00	9.95	0.05	0.28
15.00	14.84	0.16	0.28
20.00	19.84	0.16	0.46
25.00	24.76	0.24	0.61
30.00	29.76	0.24	0.71
35.00	34.70	0.30	0.78
40.00	39.70	0.30	0.83
45.00	44.69	0.31	0.99
50.00	49.69	0.31	1.11
55.00	54.67	0.33	1.30
60.00	59.58	0.42	2.10

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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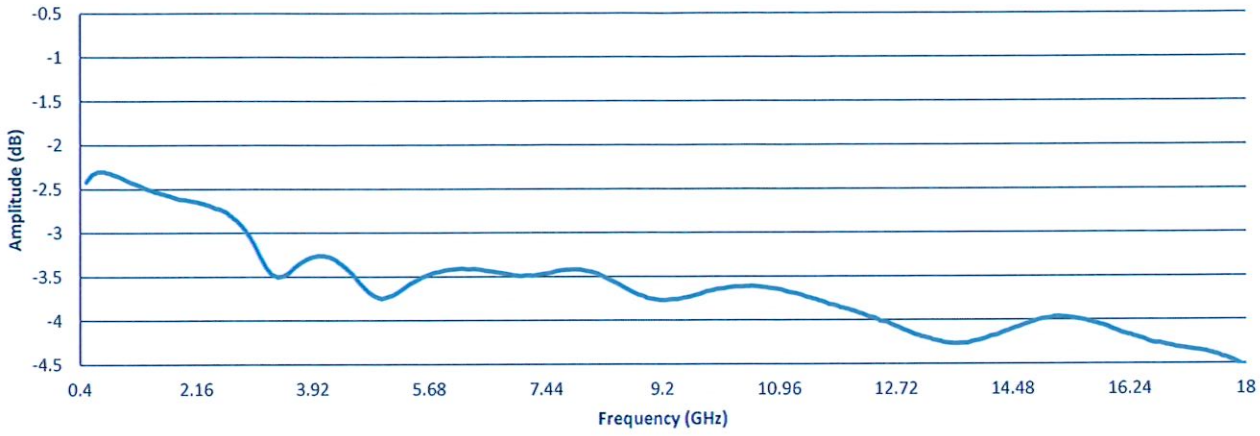
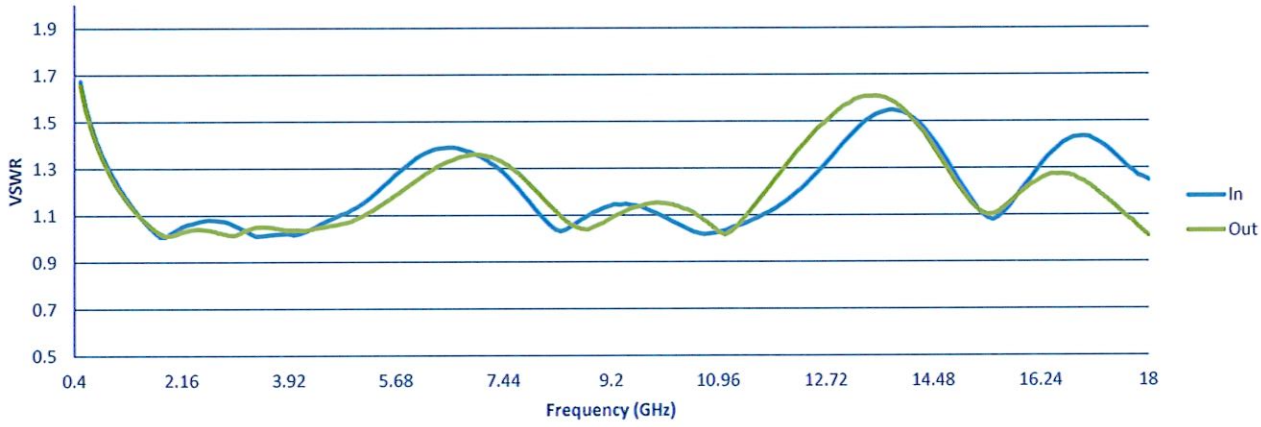
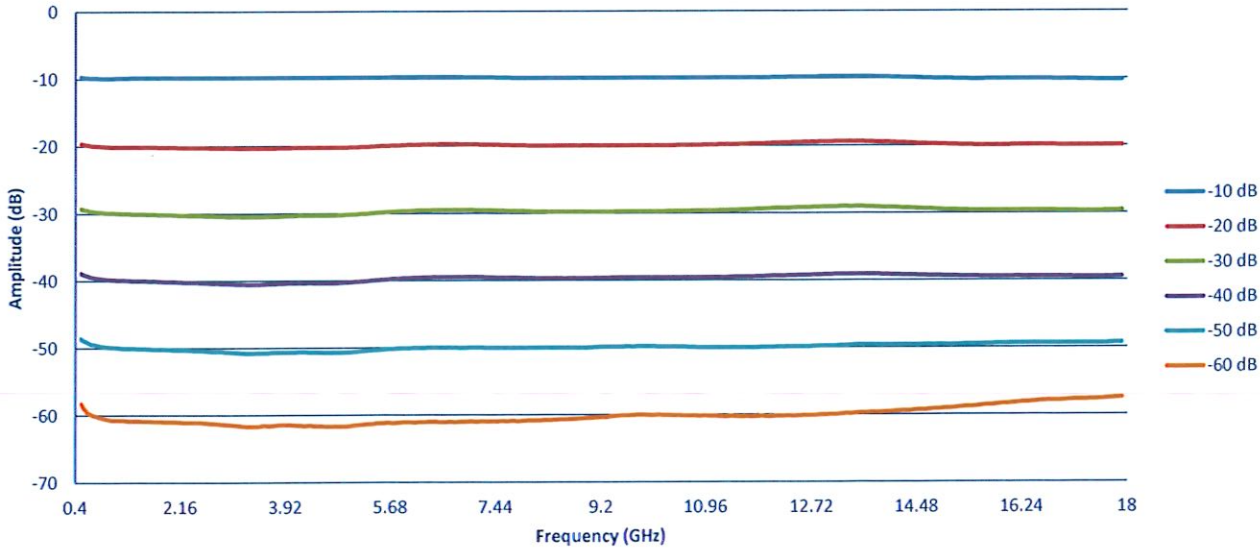
Insertion Loss



VSWR



Attenuation vs. Frequency



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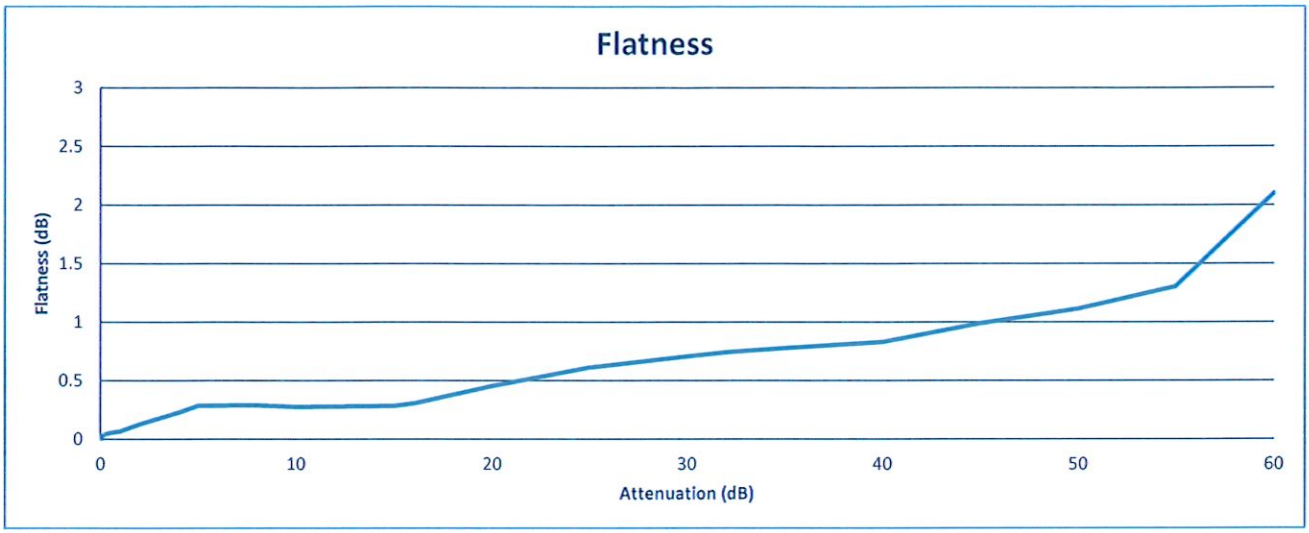

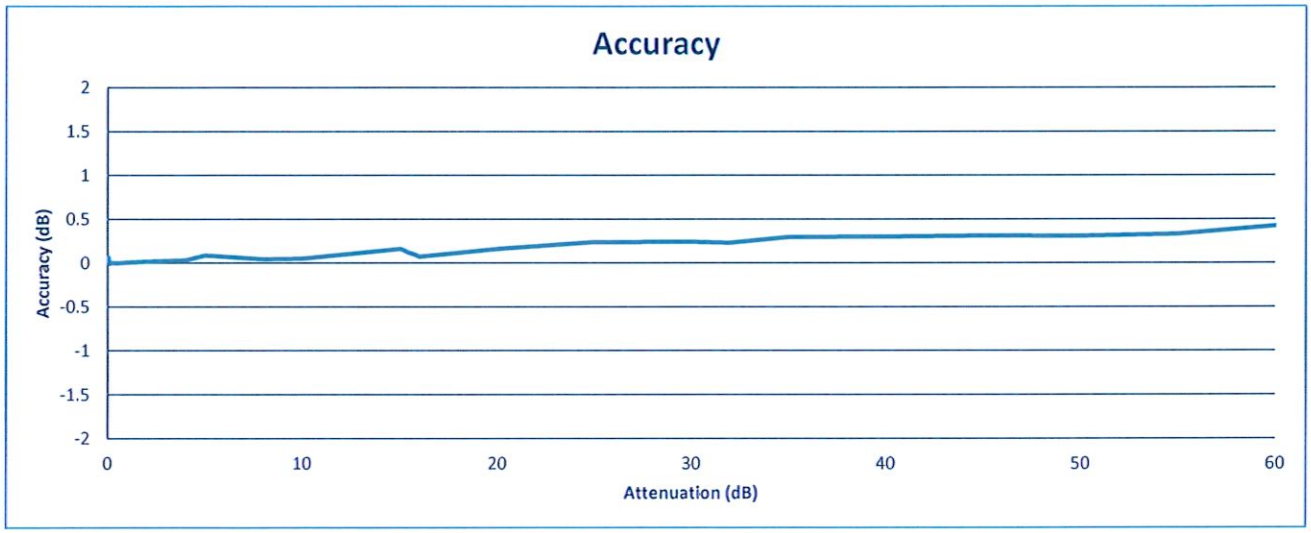

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