Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA
ON
DTA-2G18G-60-12-CD-1-20DBM-TS-NSI

Customer: [redacted]
Job No: [redacted]
Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI
Serial No: PL31992/2114

Tested By: A. Mousavi
Date: Monday, May 6, 2024
Temperature: +25° C
Drawing No: 27040140 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	PMI QA2
2	Insertion Loss:	4.8 dB Max.	4.5 dB See Plot	
3	VSWR:	2.0:1 Max.	1.79:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.54 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	1.49 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	4.24 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	1.13 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	1.99 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	2.4 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.0 V	
12	Switching Speed:	On Time: 1.0 µs Max. Off Time: 0.5 µs Max.	<1.0 µs On Time <0.5 µs Off Time See Typical Characteristics	
13	DC Supply:	+15VDC @ 150 mA Max.	120 mA	PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.019052	-0.003427	0.01
0.03125	0.03552	-0.00427	0.01
0.0625	0.0625	0.0000	0.02
0.125	0.124	0.001	0.02
0.25	0.25	0.00	0.03
0.50	0.49	0.01	0.04
1.00	0.99	0.01	0.08
2.00	1.98	0.02	0.14
4.00	4.02	-0.02	0.26
8.00	8.20	-0.20	0.42
16.00	16.88	-1.68	0.46
32.00	33.68	-1.68	0.97

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.88	0.12	0.32
10.00	10.37	-0.37	0.44
15.00	15.73	-0.73	0.47
20.00	21.13	-1.13	0.54
25.00	26.37	-1.37	0.71
30.00	31.60	-1.60	0.91
35.00	36.83	-1.83	1.13
40.00	41.99	-1.99	1.49
45.00	46.91	-1.91	1.62
50.00	51.87	-1.87	1.88
55.00	57.03	-2.03	2.58
60.00	62.40	-2.40	4.24

QA/QC Approval: PMI QA2 Date: 5/8/2024

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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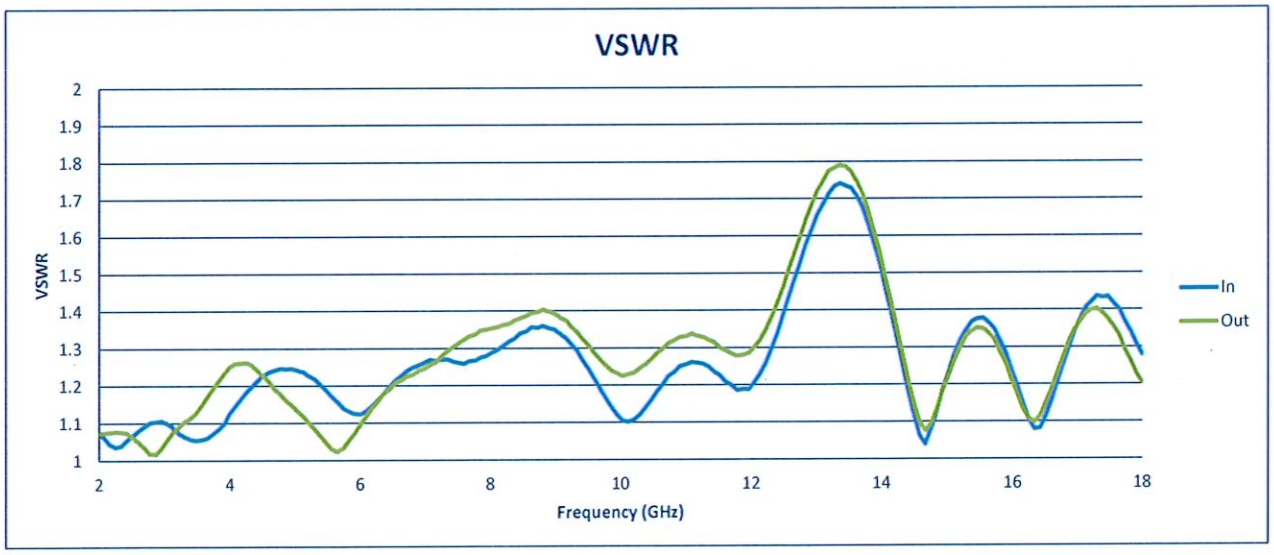

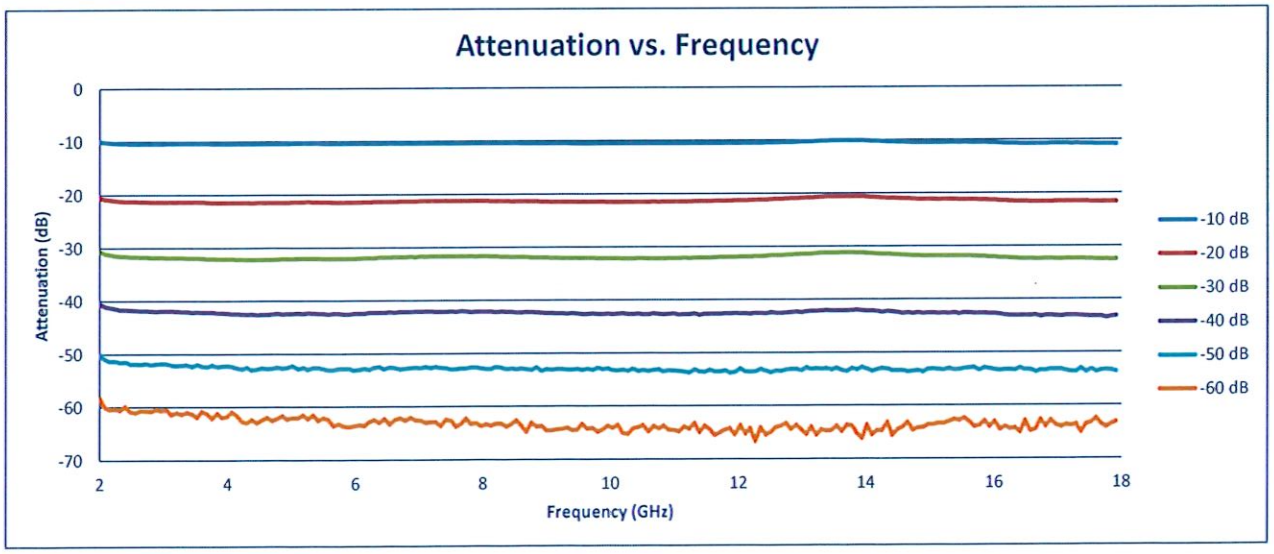

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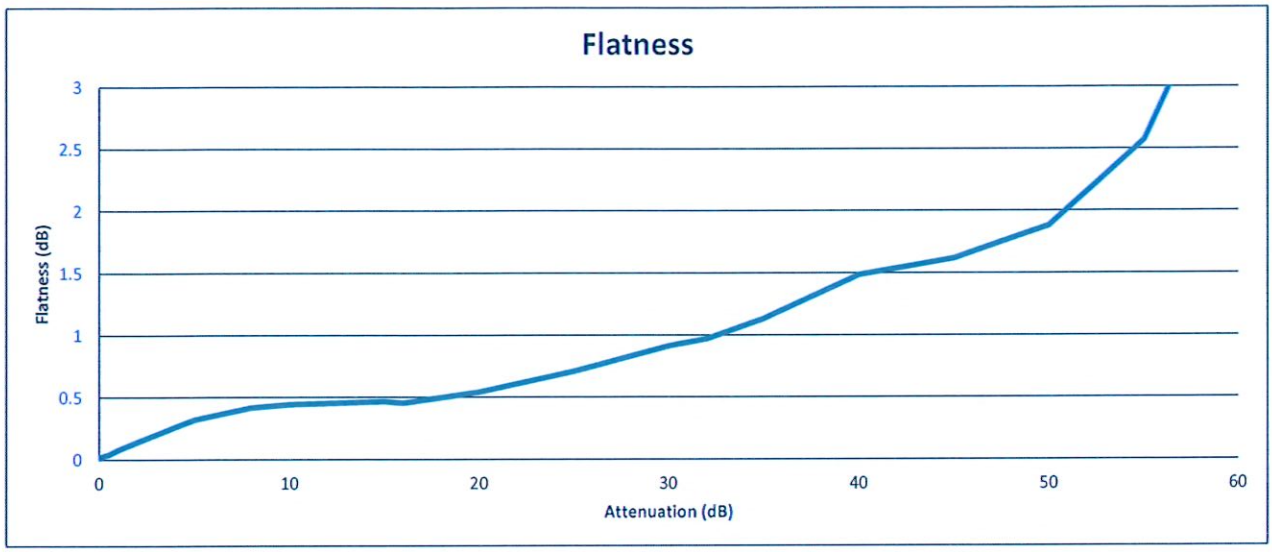

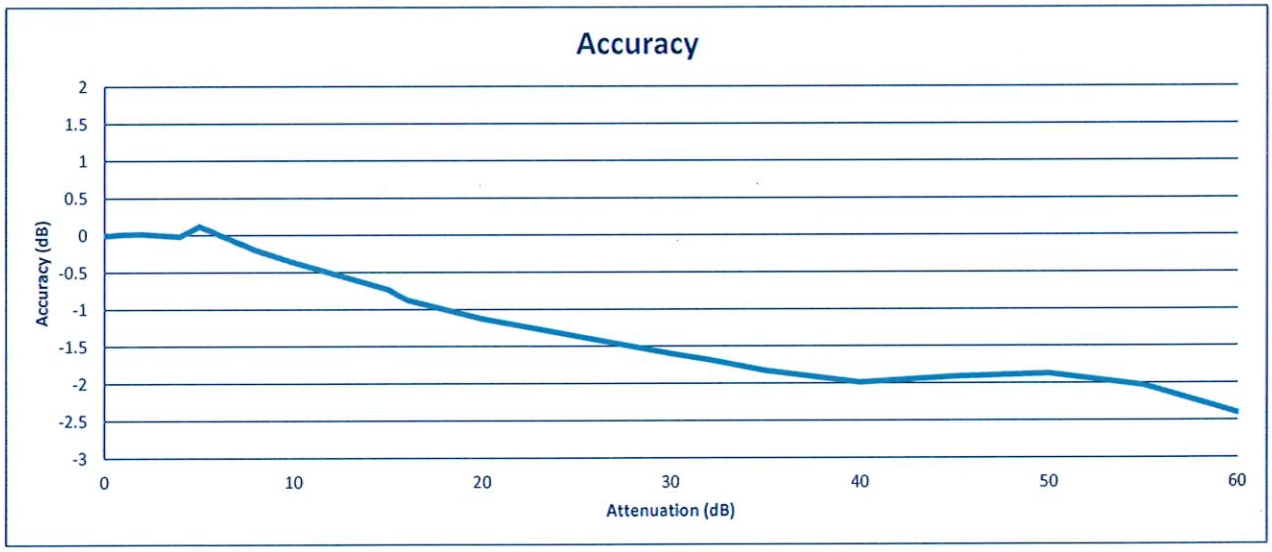

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