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: PL31989/2114

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.	4.4 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.67 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	1.03 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.05 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.26 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.85 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.08 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	0.020980	-0.005355	0.01
0.03125	0.03486	-0.00361	0.01
0.0625	0.0598	0.0027	0.02
0.125	0.123	0.002	0.02
0.25	0.25	0.00	0.03
0.50	0.50	0.00	0.06
1.00	1.01	-0.01	0.12
2.00	2.03	-0.03	0.23
4.00	4.02	-0.02	0.44
8.00	7.91	0.09	0.55
16.00	15.85	0.59	0.53
32.00	31.41	0.59	0.85

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.95	0.05	0.54
10.00	9.92	0.08	0.49
15.00	14.77	0.23	0.49
20.00	19.74	0.26	0.67
25.00	24.55	0.45	0.74
30.00	29.47	0.53	0.82
35.00	34.32	0.68	0.96
40.00	39.15	0.85	1.03
45.00	44.03	0.97	1.12
50.00	48.92	1.08	1.17
55.00	54.03	0.97	1.66
60.00	59.84	0.16	2.05

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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ON
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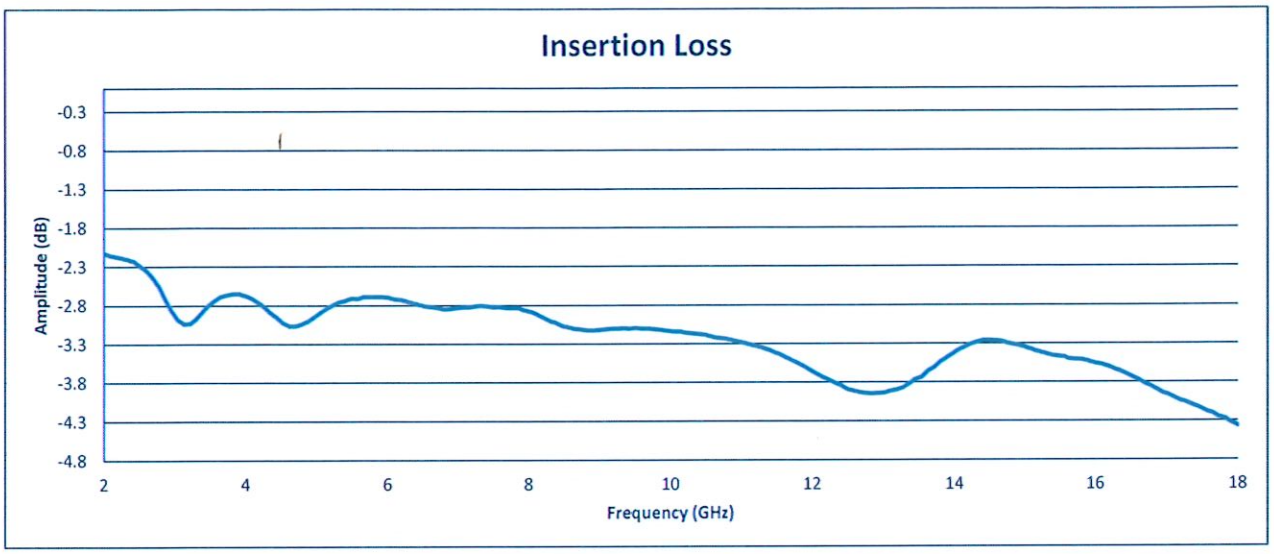

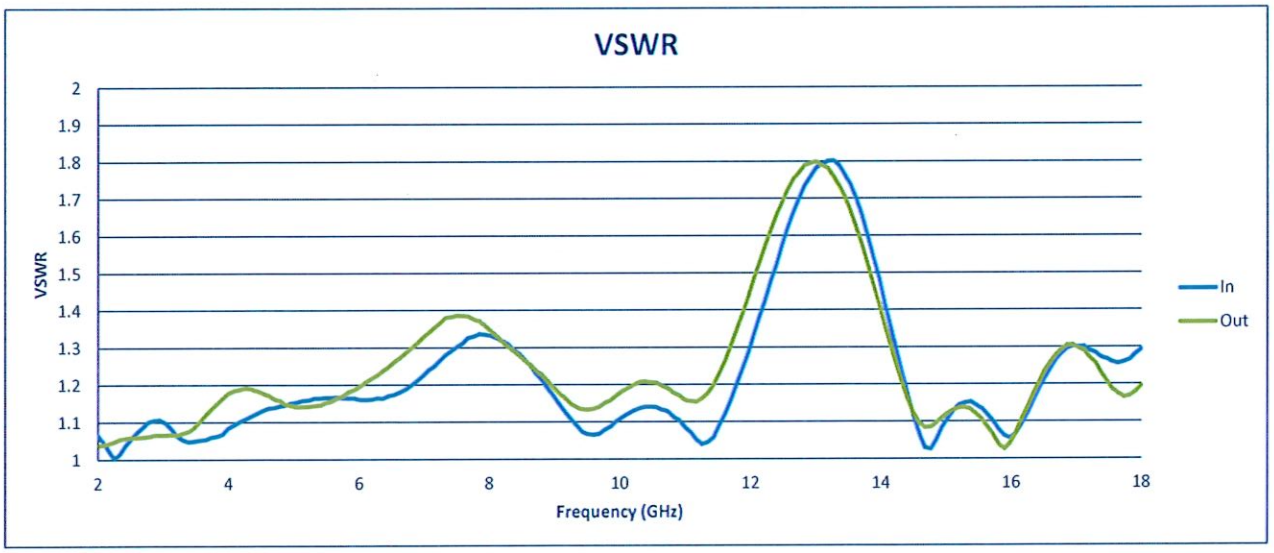

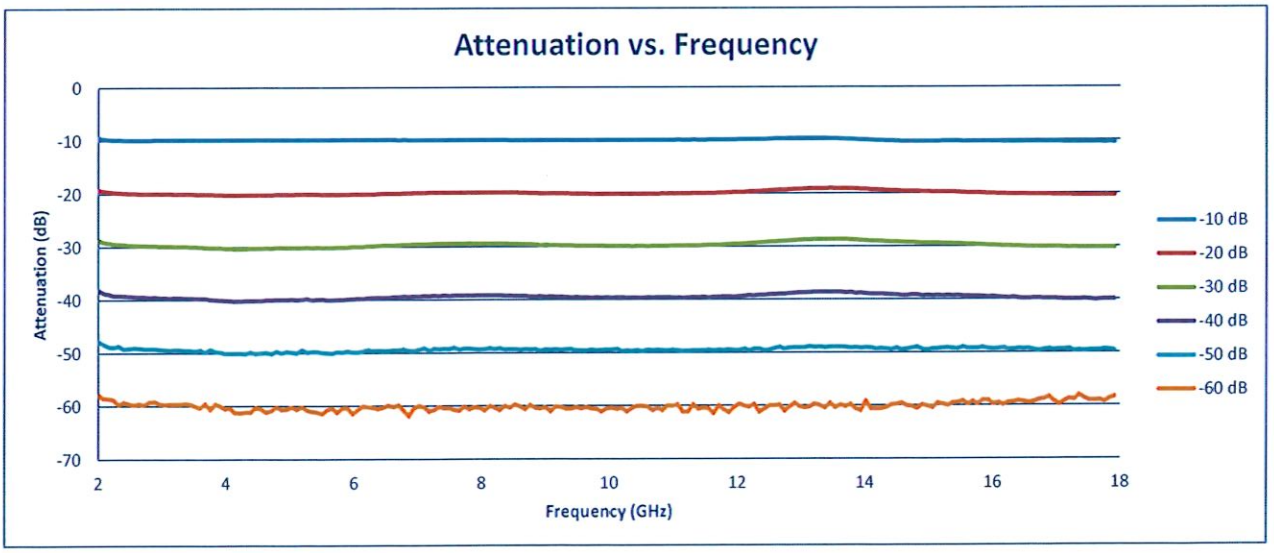

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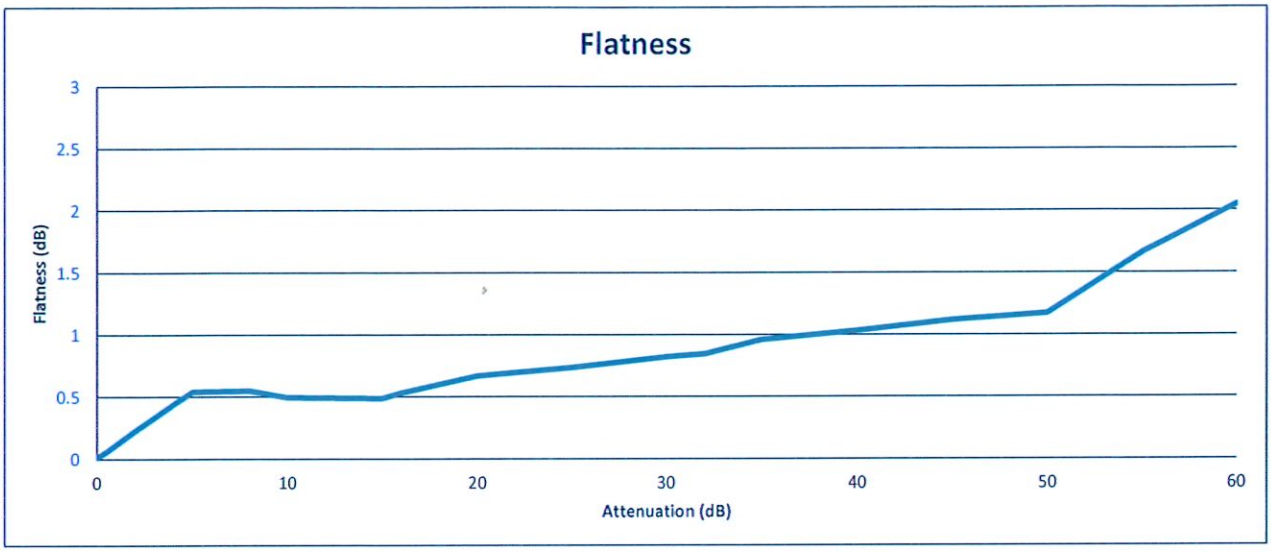

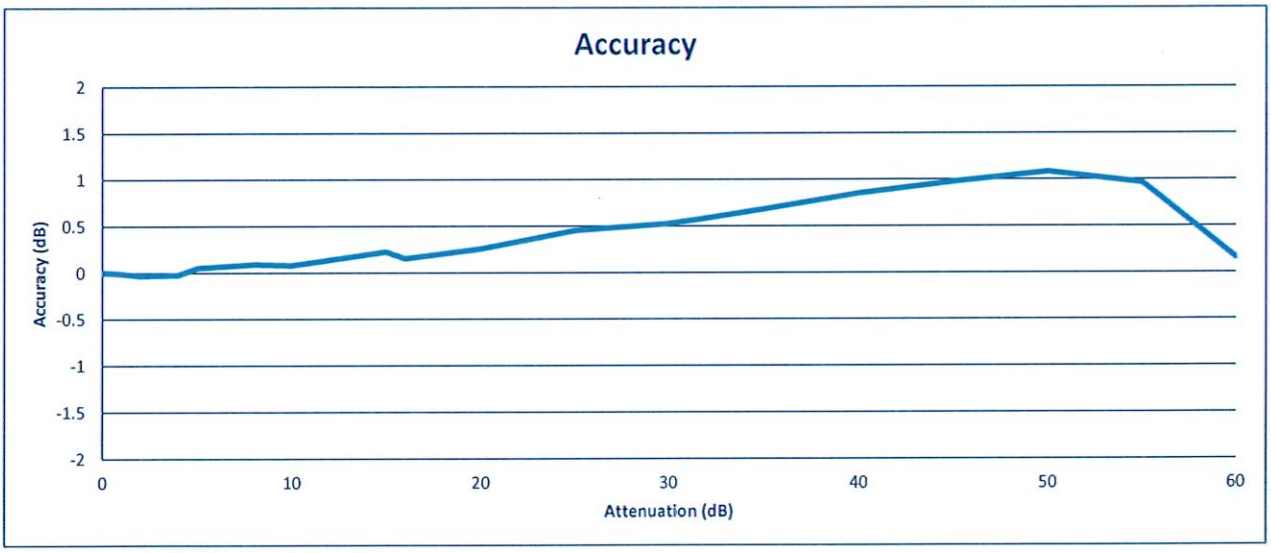

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