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: PL42422/2340

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.	4.3 dB See Plot	
3	VSWR:	2.0:1 Max.	1.84:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.63 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.97 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.95 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.14 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.	0.52 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	0.032945	-0.017320	0.02
0.03125	0.05522	-0.02397	0.02
0.0625	0.0883	-0.0258	0.04
0.125	0.158	-0.033	0.05
0.25	0.29	-0.04	0.07
0.50	0.54	-0.04	0.08
1.00	1.04	-0.04	0.13
2.00	2.10	-0.10	0.25
4.00	4.14	-0.14	0.45
8.00	8.05	-0.05	0.53
16.00	16.04	0.12	0.50
32.00	31.88	0.12	0.85

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.10	-0.10	0.58
10.00	10.13	-0.13	0.42
15.00	15.01	-0.01	0.48
20.00	20.03	-0.03	0.63
25.00	25.00	0.00	0.76
30.00	29.99	0.01	0.82
35.00	35.02	-0.02	0.87
40.00	39.91	0.09	0.97
45.00	44.61	0.39	1.18
50.00	49.57	0.43	1.45
55.00	55.42	-0.42	1.81
60.00	60.52	-0.52	2.95

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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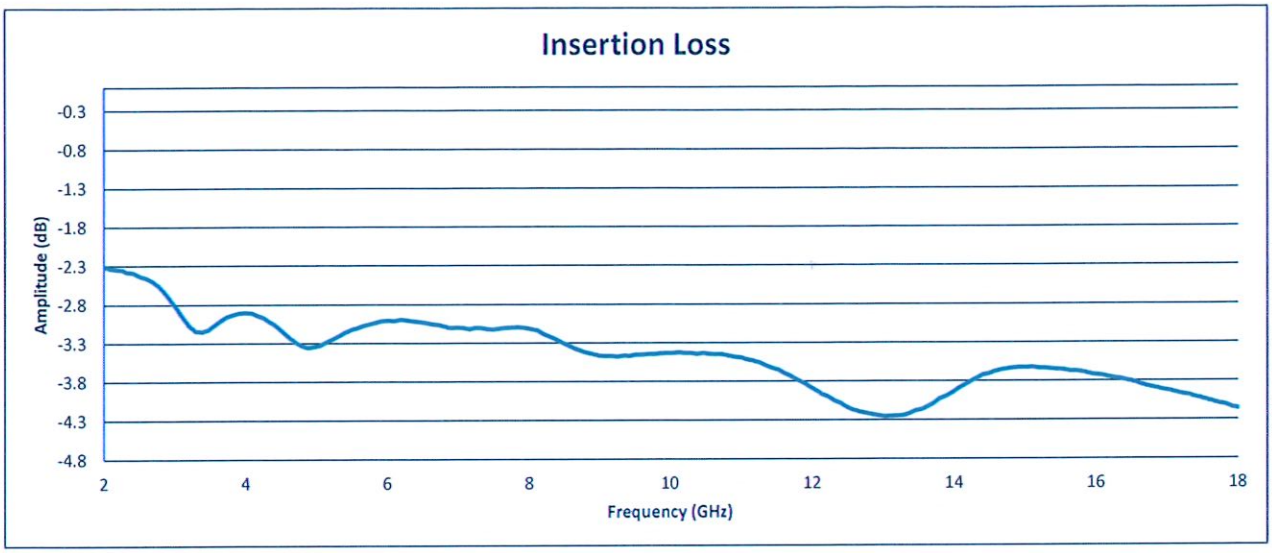

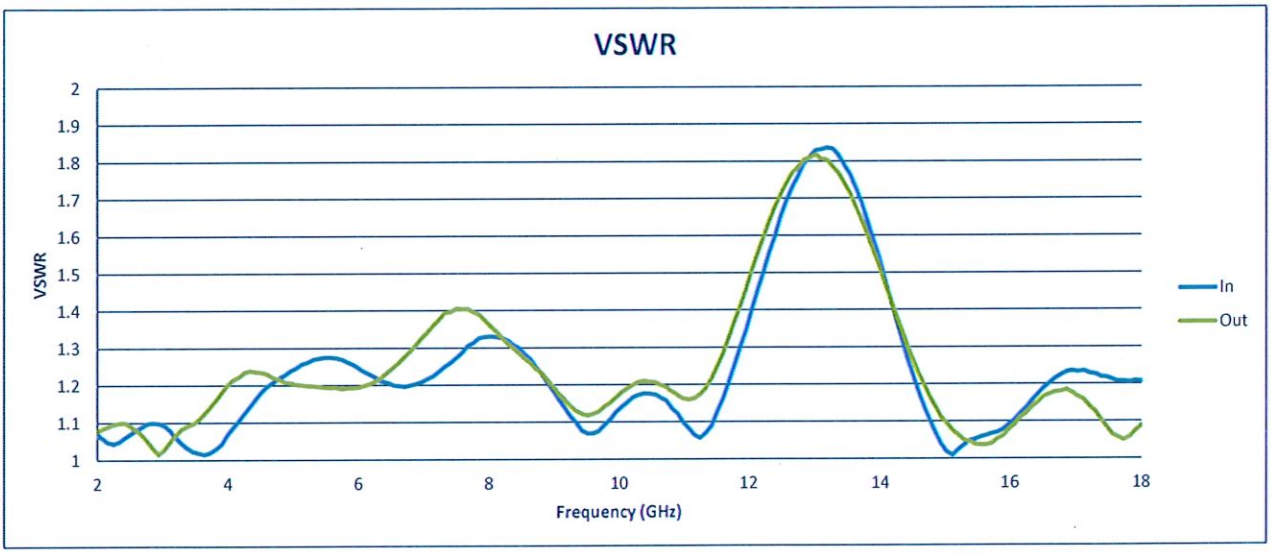

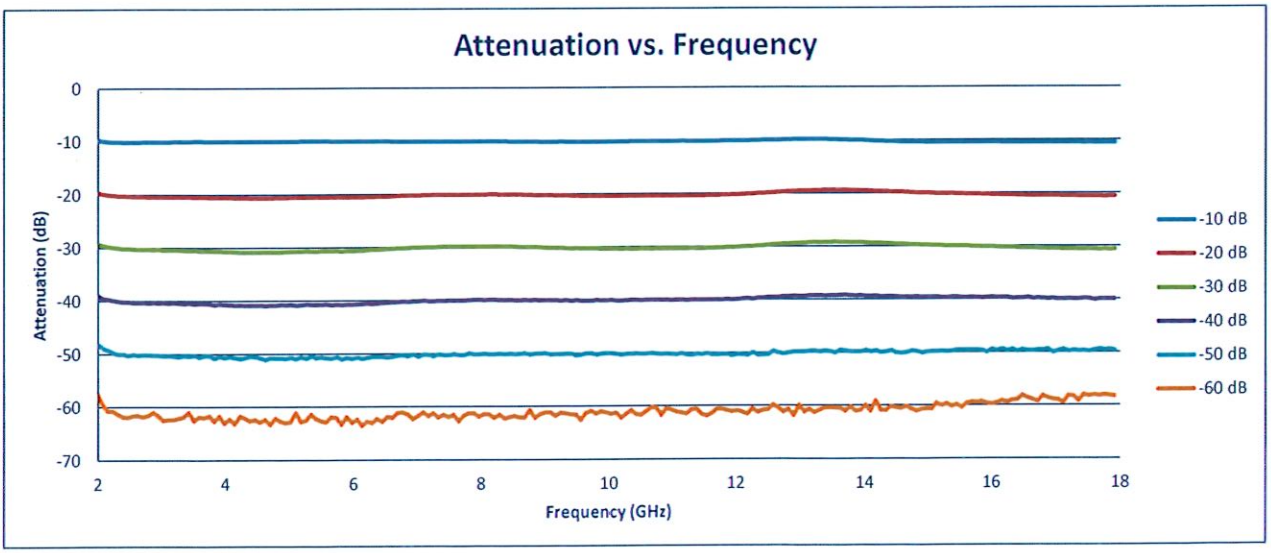

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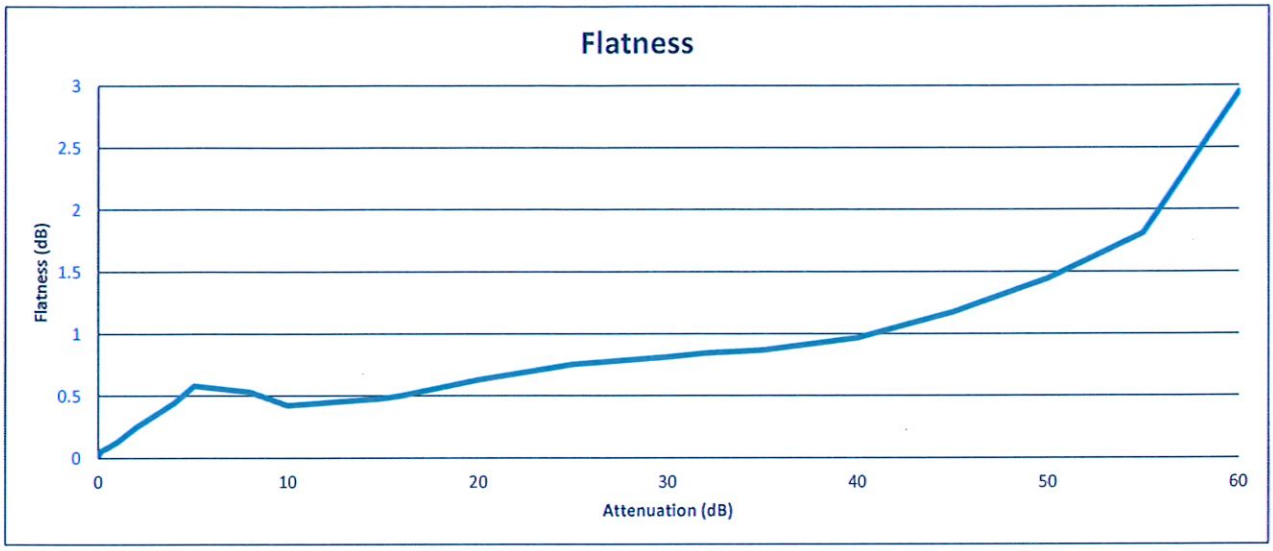

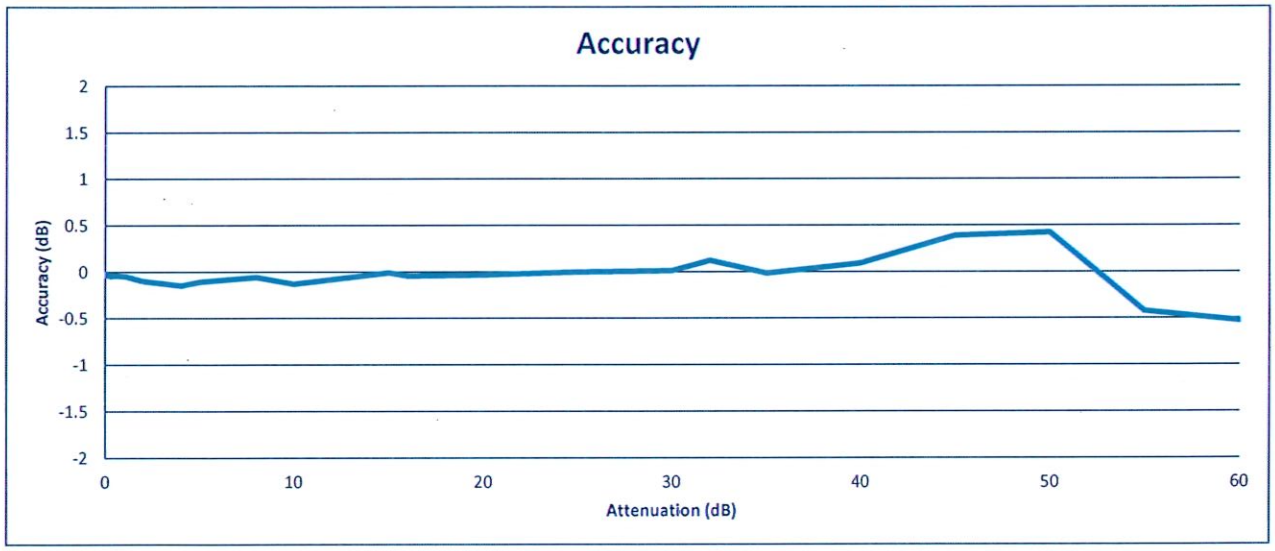

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