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: PL33098/2130

Tested By: K. Mansfield
Date: Monday, June 10, 2024
Temperature: +25° C
Drawing No: 27617795 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.	4.6 dB See Plot	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.53 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.81 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.52 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.07 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.	0.2 dB See Plot	
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	2.98 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.	122 mA	PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.021306	-0.005681	0.00
0.03125	0.03611	-0.00486	0.00
0.0625	0.0632	-0.0007	0.01
0.125	0.124	0.001	0.01
0.25	0.25	0.00	0.03
0.50	0.50	0.00	0.05
1.00	1.00	0.00	0.10
2.00	2.01	-0.01	0.19
4.00	4.03	-0.03	0.32
8.00	8.04	-0.04	0.43
16.00	16.02	-0.09	0.39
32.00	32.09	-0.09	0.78

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.03	-0.03	0.37
10.00	10.03	-0.03	0.37
15.00	14.93	0.07	0.36
20.00	20.03	-0.03	0.53
25.00	25.02	-0.02	0.67
30.00	30.08	-0.08	0.74
35.00	35.05	-0.05	0.81
40.00	40.12	-0.12	0.72
45.00	45.13	-0.13	0.71
50.00	50.20	-0.20	0.63
55.00	55.20	-0.20	1.07
60.00	60.16	-0.16	1.52

QA/QC Approval: [signature] PMI QA2 Date: 6/13/2024

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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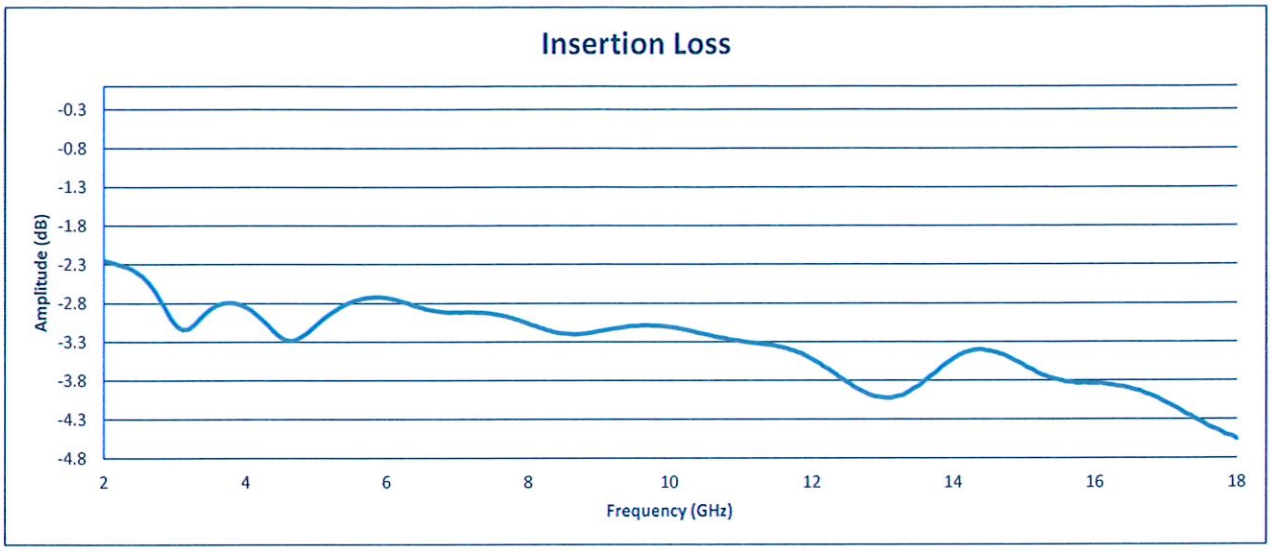

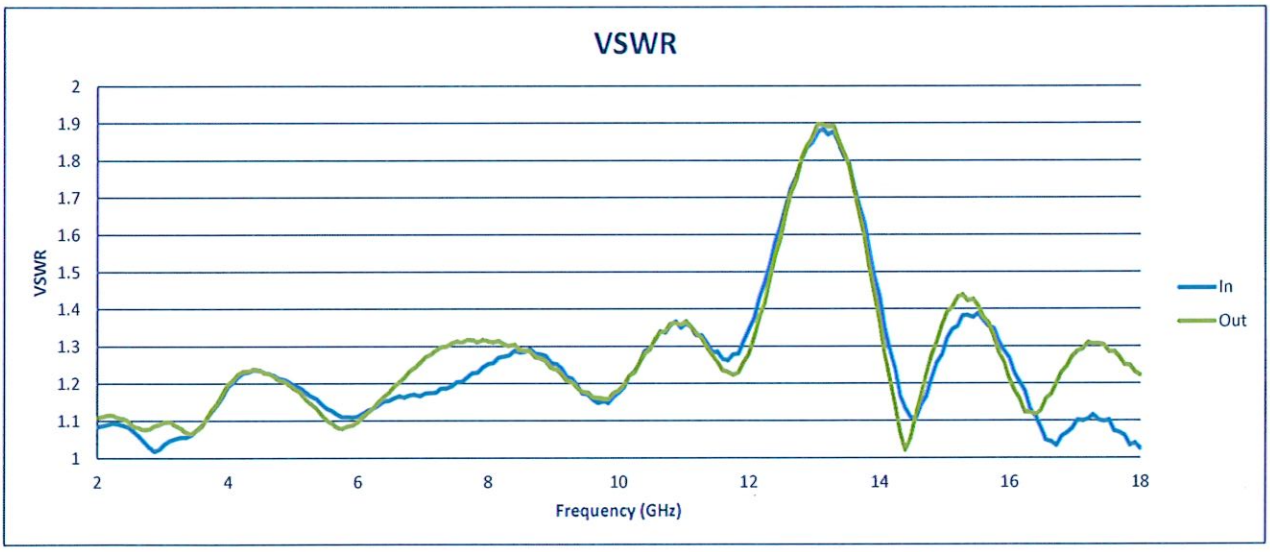

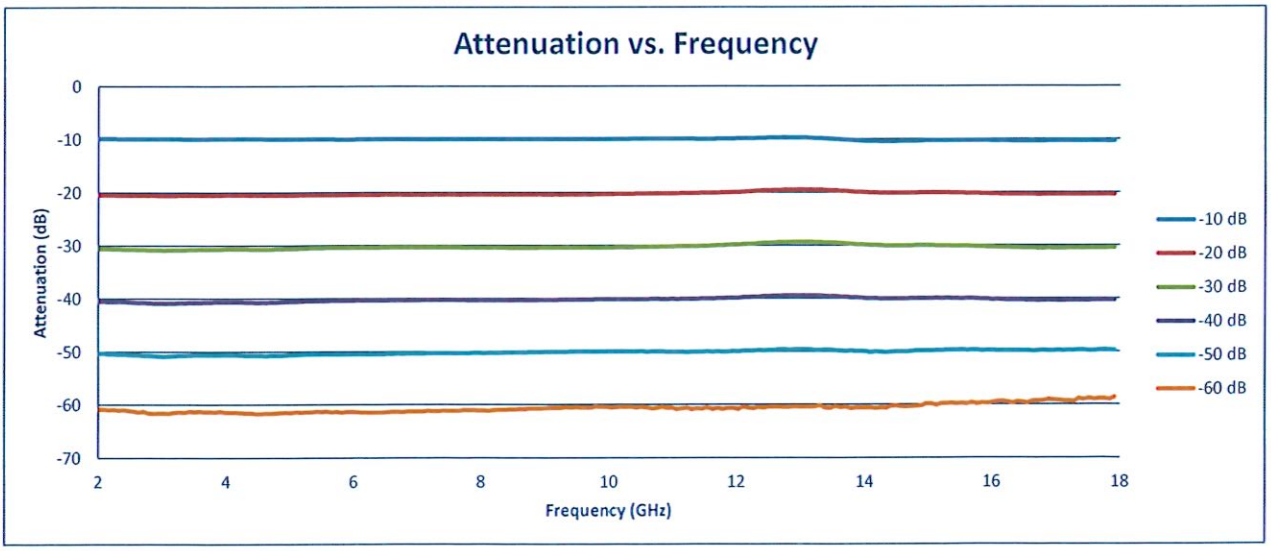

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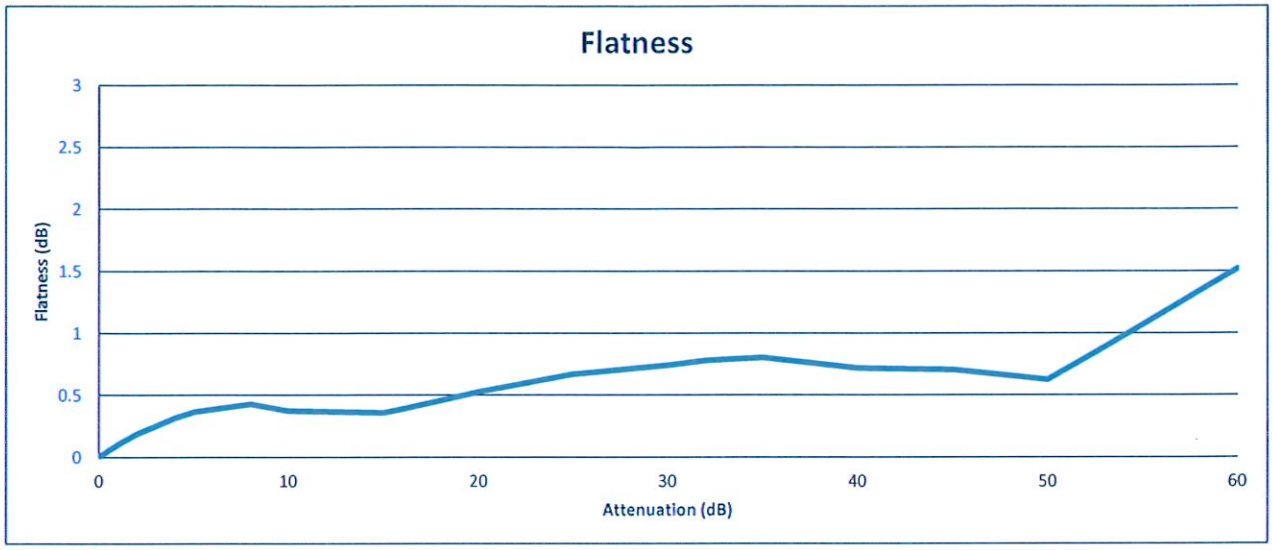

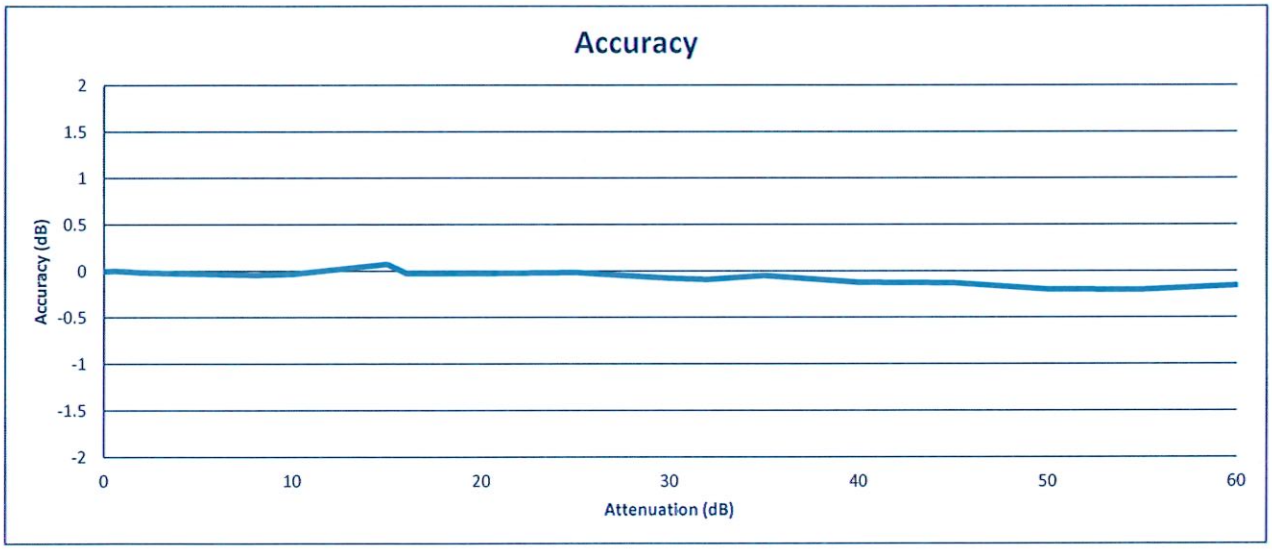

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