Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-2G18G-64-10B-SFF

Customer:
Job No:
Model No: DTA-2G18G-64-10B-SFF
Serial No: PL39975/2312

Tested By: K. Mansfield
Date: Monday, March 20, 2023
Temperature: +25° C
Drawing No: 27624089 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	PMI QA2
2	Insertion Loss:	5.25 dB Max.	4.9 dB See Plot	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot	
4	Flatness @ 20 dB:	± 1.0 dB Typ.	± 0.66 dB See Plot	
6	Flatness @ 40 dB:	± 1.25 dB Typ.	± 0.67 dB See Plot	
7	Flatness @ 60 dB:	± 3.0 dB Typ.	± 2.62 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	± 0.2 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	± 0.2 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	± 0.4 dB See Plot	
11	Switching Speed:	1.0 us Max.	See Typical Characteristics	
12	DC Supply:	+15VDC @ 150 mA	115 mA	PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.05	0.01	0.01
0.125	0.11	0.02	0.01
0.25	0.23	0.02	0.02
0.50	0.48	0.02	0.05
1.00	0.97	0.03	0.10
2.00	1.98	0.02	0.19
4.00	3.98	0.02	0.29
8.00	8.02	-0.02	0.33
16.00	16.08	-0.21	0.53
32.00	32.21	-0.21	0.62
62.00	62.41	-0.41	3.16
63.94	64.38	-0.44	0.50

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.78	0.22	0.30
10.00	10.04	-0.04	0.37
15.00	15.01	-0.01	0.50
20.00	20.12	-0.12	0.66
25.00	25.13	-0.13	0.67
30.00	30.23	-0.23	0.65
35.00	35.22	-0.22	0.61
40.00	40.19	-0.19	0.67
45.00	45.09	-0.09	0.73
50.00	50.14	-0.14	0.81
55.00	55.35	-0.35	1.56
60.00	60.35	-0.35	2.62

QA/QC Approval: PMI QA2 Date: 3/24/2023

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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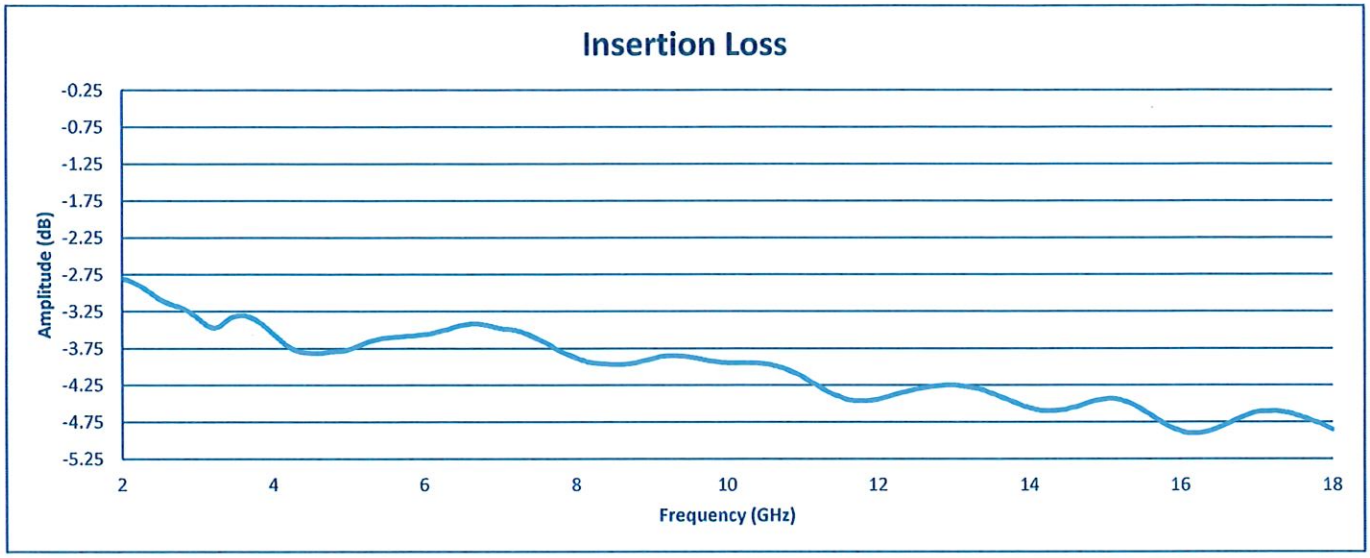

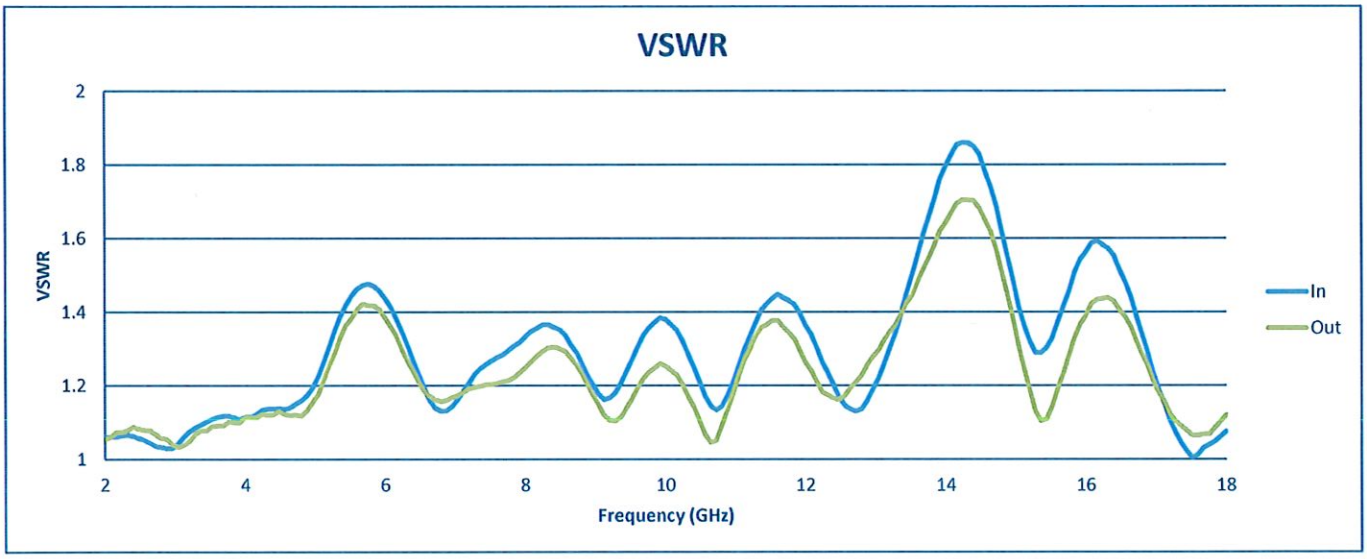

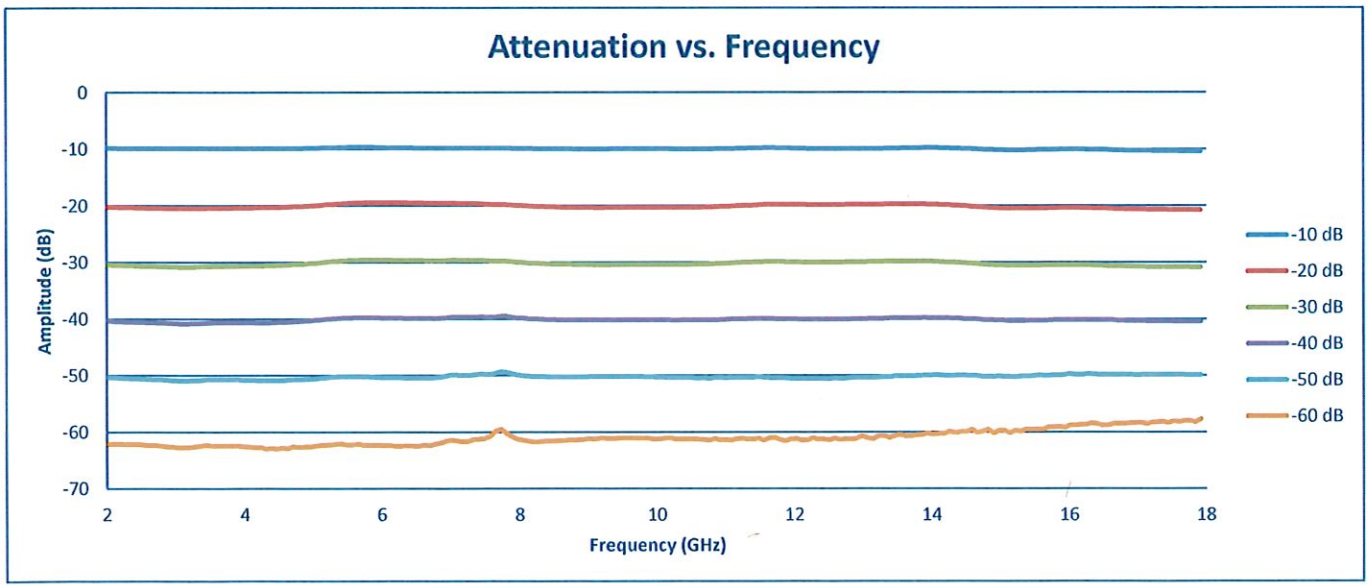

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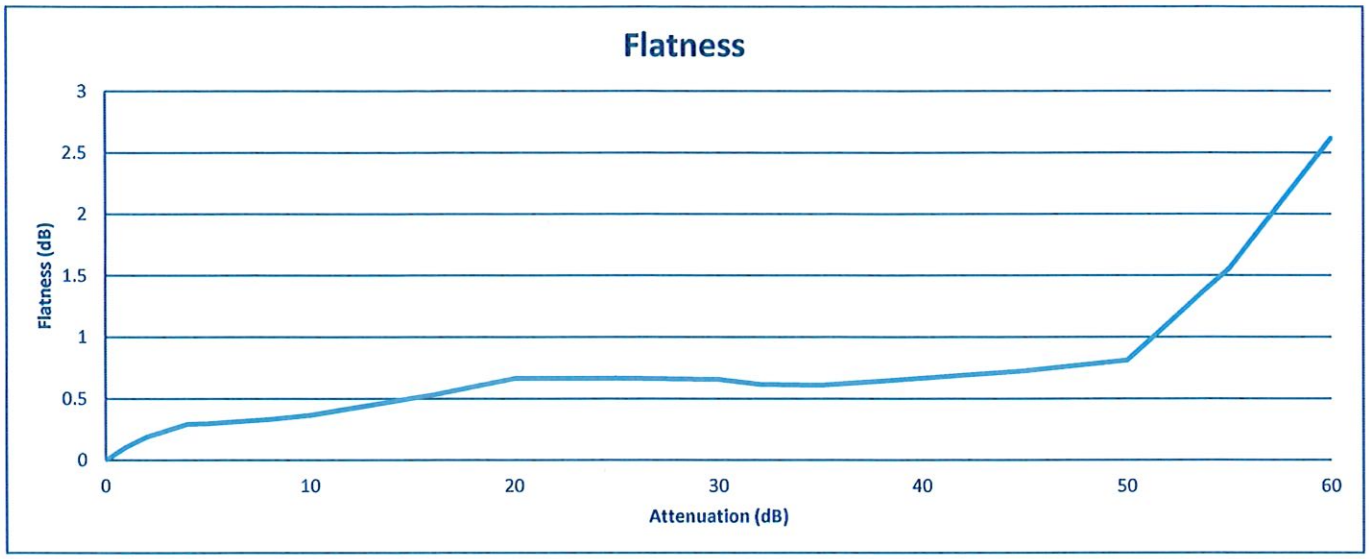

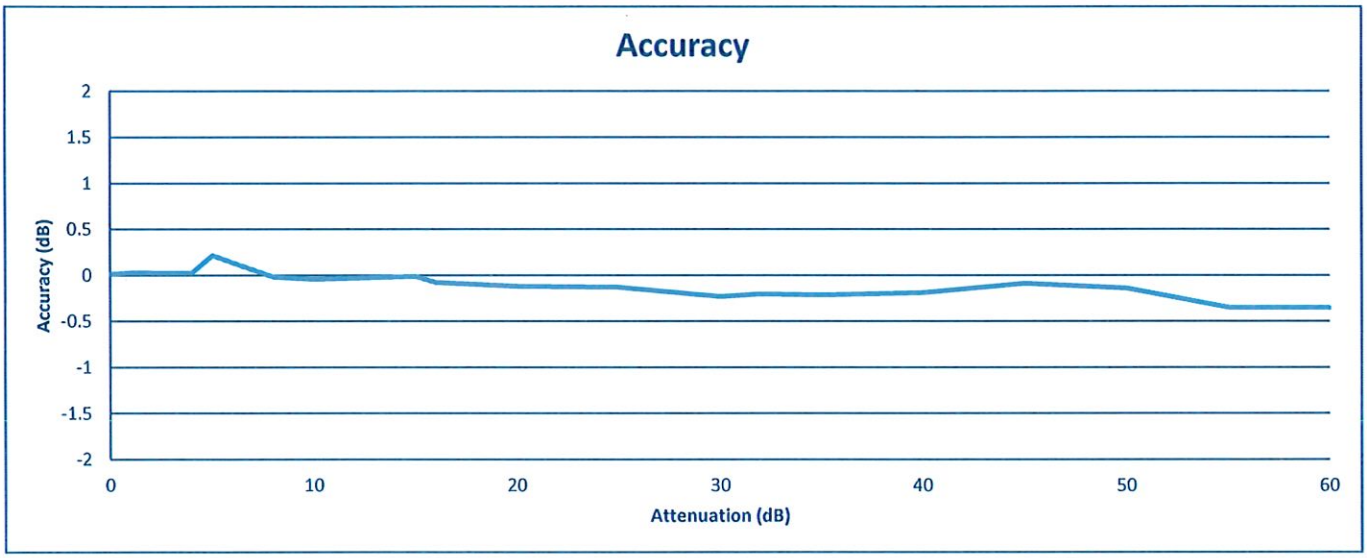

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