Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-1G18G-60-CD-2

Customer: [redacted]
SO No: [redacted]
Model No: DTA-1G18G-60-CD-2
Serial No: PL40902/2323

Tested By: K. Mansfield
Date: 6/6/2023
Temperature: +25° C
Drawing No: 27621593 **Rev:** A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	1 GHz – 18 GHz	1 GHz – 18 GHz	PMI QA2
2	Insertion Loss:	4.8 dB Max.	4.5 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.45 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.53 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±1.42 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.22 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.42 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.84 dB See Plot	
11	Switching Speed:	1.0 us Max.	See Typical Characteristics	
12	DC Supply:	+15VDC @ 150 mA Max.	120 mA	PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.07	-0.01	0.02
0.125	0.13	-0.01	0.03
0.25	0.25	0.00	0.03
0.50	0.49	0.01	0.04
1.00	1.00	0.00	0.07
2.00	1.99	0.01	0.11
4.00	3.99	0.01	0.19
8.00	7.99	0.01	0.25
16.00	16.14	-0.35	0.37
32.00	32.35	-0.35	0.52
62.00	62.51	-0.51	1.70
63.94	64.36	-0.42	2.07

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.95	0.05	0.22
10.00	10.04	-0.04	0.30
15.00	15.05	-0.05	0.35
20.00	20.22	-0.22	0.45
25.00	25.23	-0.23	0.51
30.00	30.35	-0.35	0.53
35.00	35.41	-0.41	0.52
40.00	40.42	-0.42	0.41
45.00	45.34	-0.34	0.39
50.00	50.44	-0.44	0.60
55.00	55.61	-0.61	0.77
60.00	60.84	-0.84	1.42

QA/QC Approval: [signature] PMI QA2 **Date:** 6/6/2023

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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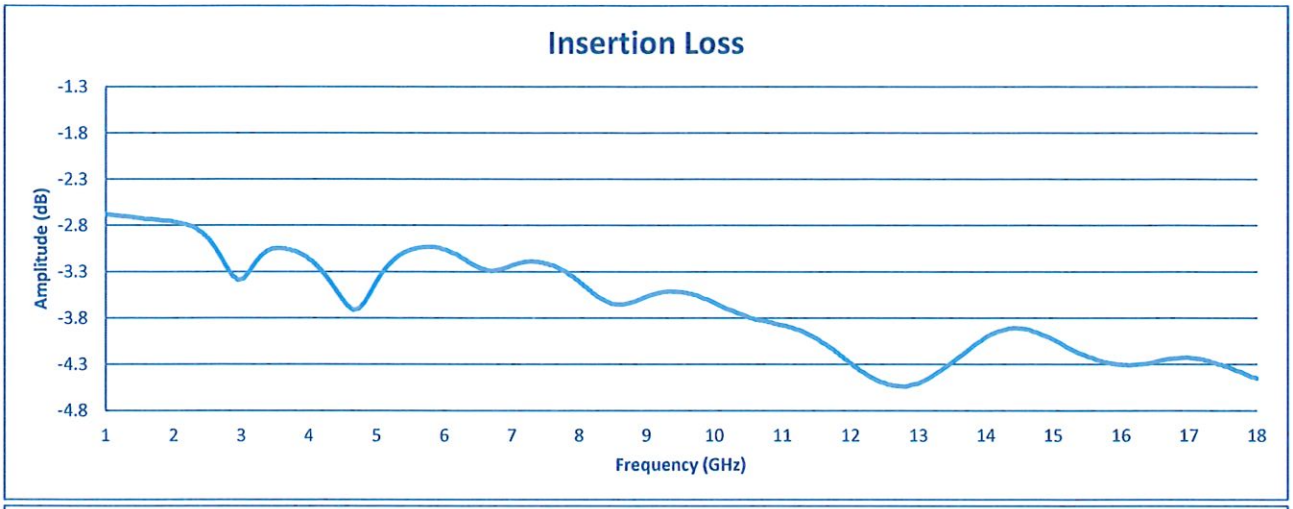

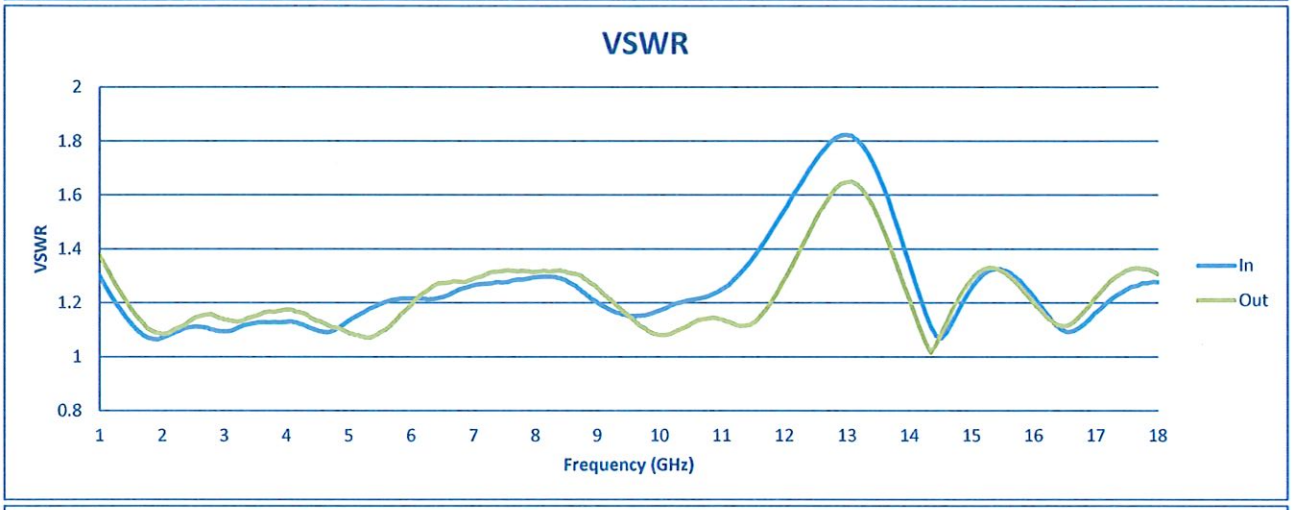

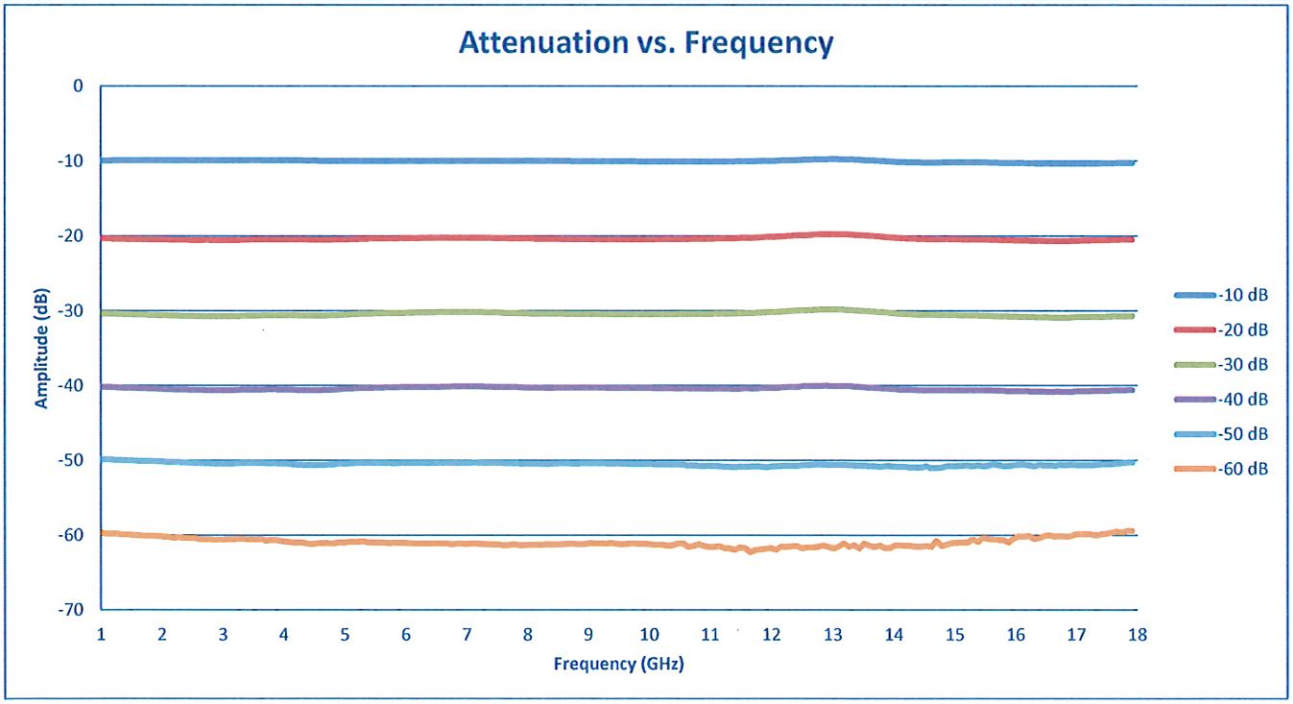

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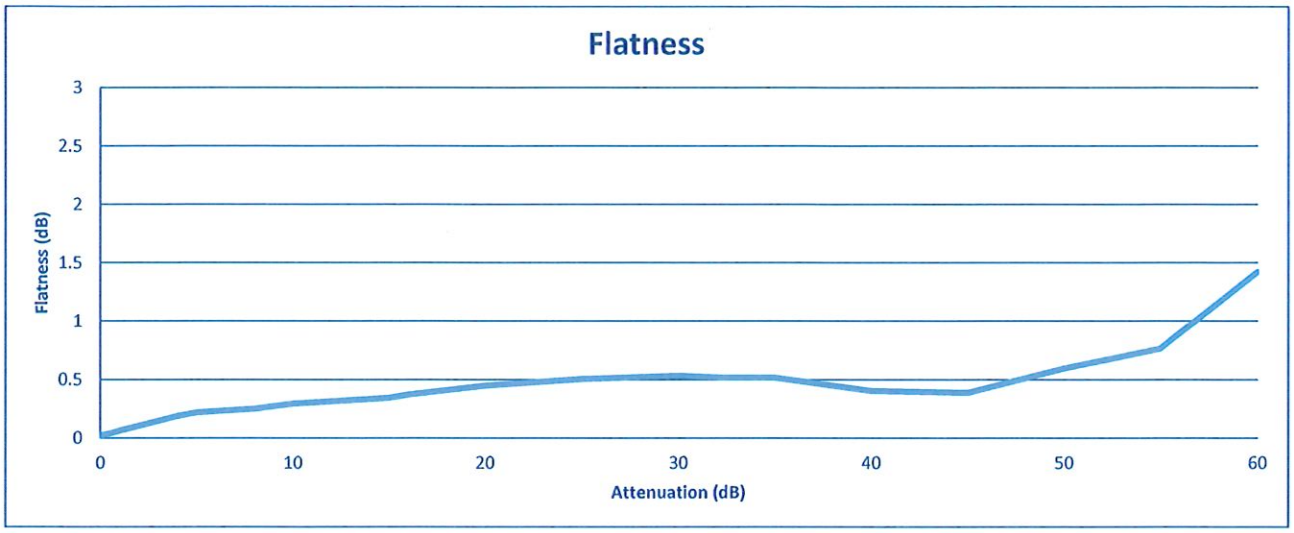

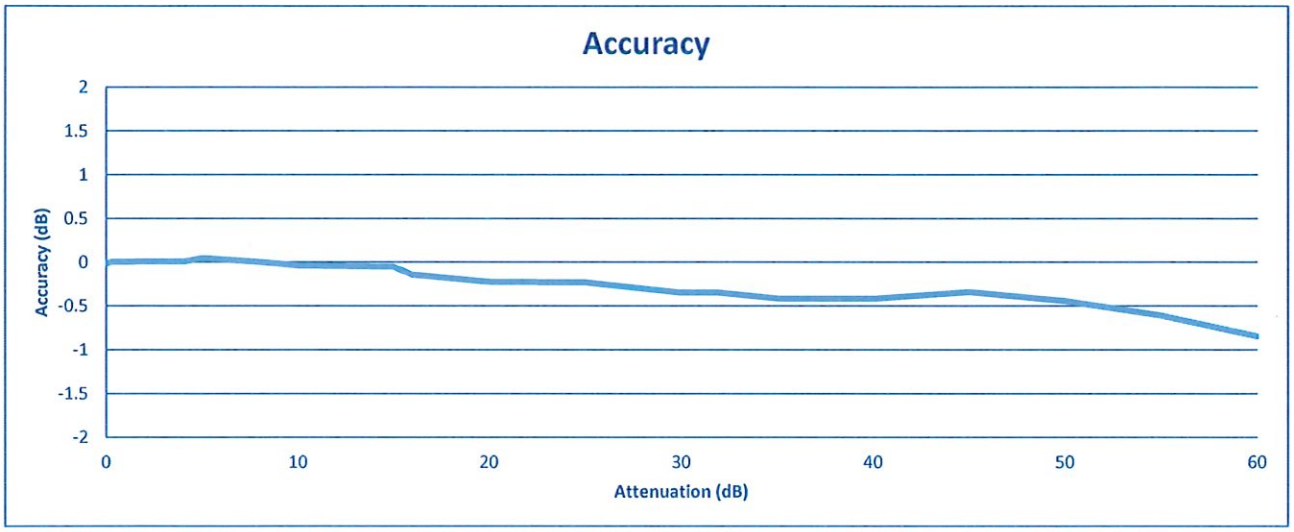

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