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: PL40903/2323

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.	1.9:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.43 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.71 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±1.67 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±1.06 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±1.41 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±1.33 dB See Plot	
11	Switching Speed:	1.0 us Max.	See Typical Characteristics	
12	DC Supply:	+15VDC @ 150 mA Max.	122 mA	PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	-0.09	0.15	0.03
0.125	-0.06	0.18	0.04
0.25	0.03	0.22	0.04
0.50	0.26	0.24	0.04
1.00	0.71	0.29	0.04
2.00	1.62	0.38	0.09
4.00	3.48	0.52	0.17
8.00	7.25	0.75	0.22
16.00	14.94	1.41	0.35
32.00	30.59	1.41	0.56
62.00	59.99	2.01	1.84
63.94	63.63	0.30	1.70

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.42	0.58	0.20
10.00	9.24	0.76	0.26
15.00	14.07	0.93	0.34
20.00	19.04	0.96	0.43
25.00	24.04	0.96	0.53
30.00	29.04	0.96	0.58
35.00	34.04	0.96	0.63
40.00	38.93	1.07	0.71
45.00	43.80	1.20	0.83
50.00	48.91	1.09	0.85
55.00	53.67	1.33	1.34
60.00	58.76	1.24	1.67

QA/QC Approval: 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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ON
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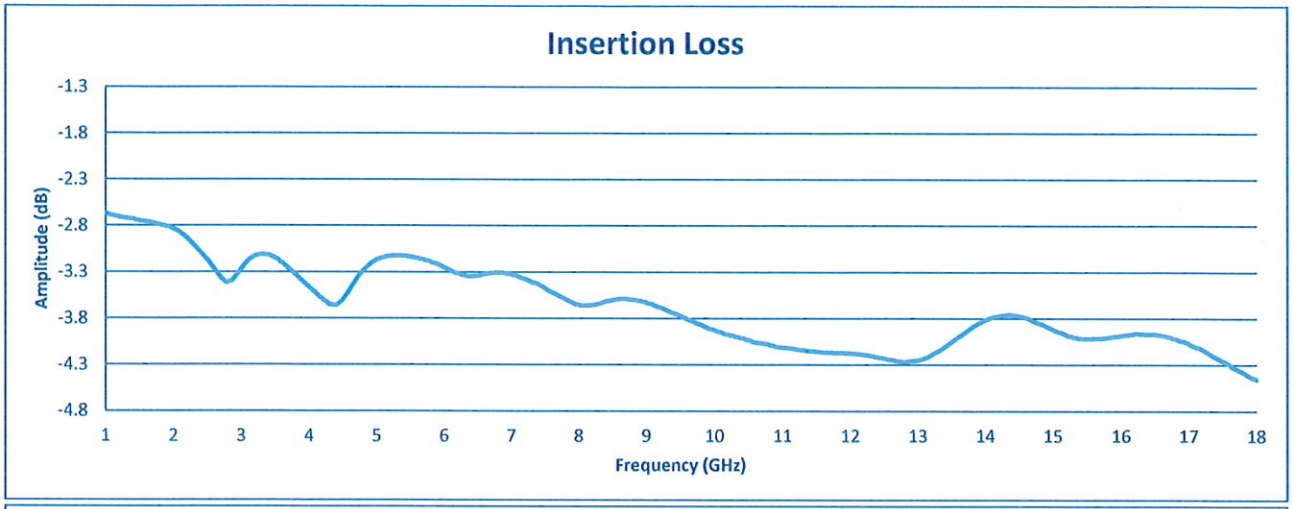

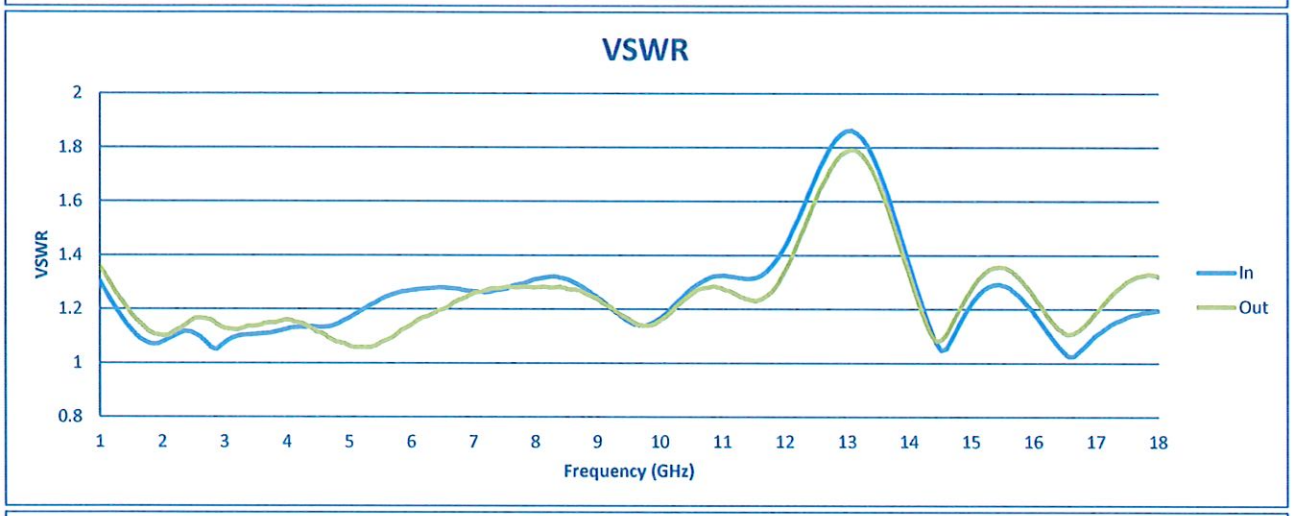

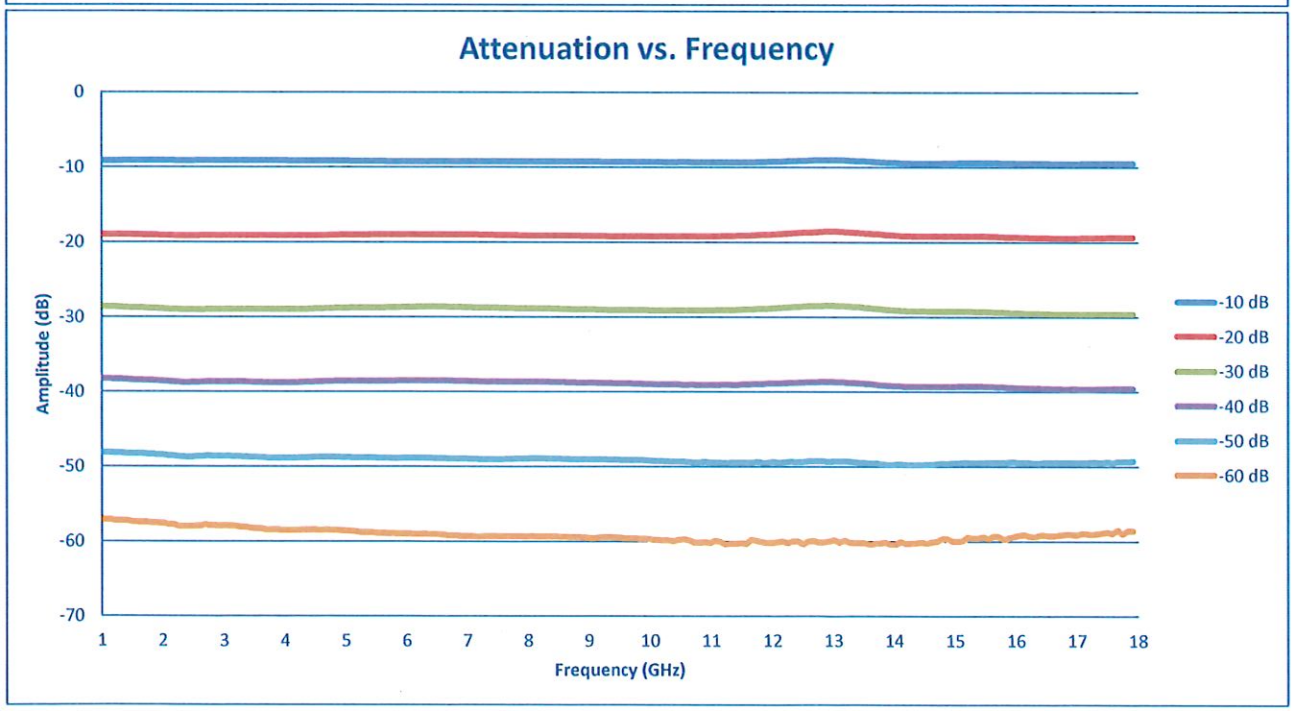

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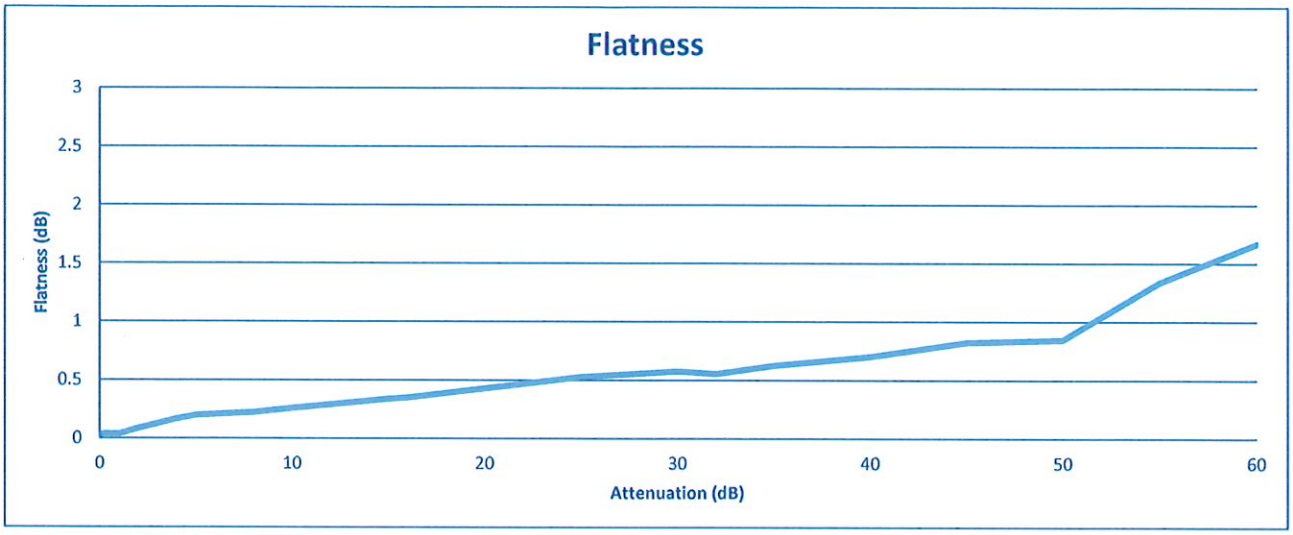

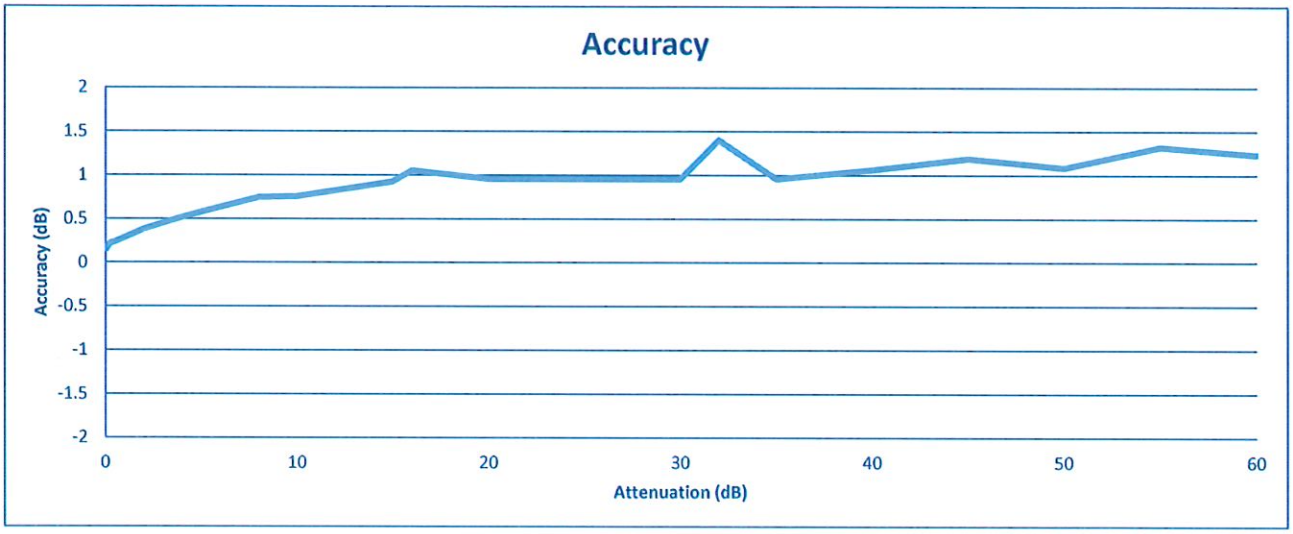

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