Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-0R4G18G-60-CD-1

Customer: [redacted]
Job No: [redacted]
Model No: DTA-0R4G18G-60-CD-1
Serial No: PL50814/2501

Tested By: A. Mousavi
Date: Thursday, January 2, 2025
Temperature: +25° C
Drawing No: 27037160 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.4 GHz – 18 GHz	**0.4 GHz – 18 GHz**	PMI QA
2	Insertion Loss:	4.8 dB Max.	**3.6 dB See Plot**	
3	VSWR:	2.0:1 Max.	**1.8:1 See Plot**	
4	Flatness to 20 dB:	± 1.5 dB Max.	**±0.49 dB See Plot**	
6	Flatness to 40 dB:	± 1.75 dB Max.	**±1.01 dB See Plot**	
7	Flatness to 60 dB:	± 5.0 dB Max.	**±4.37 dB See Plot**	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Max.	**±0.19 dB See Plot**	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Max.	**±0.05 dB See Plot**	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Max.	**±1.32 dB See Plot**	
11	Switching Speed:	1.0 µs Max. On 0.5 µs Max. Off	**< 1.0 us See Typical Characteristics**	
12	DC Supply:	+15 VDC @ 150 mA Max.	**120 mA**	PMI QA

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.08	-0.01	0.03
0.125	0.13	-0.01	0.03
0.25	0.25	0.00	0.05
0.50	0.50	0.00	0.08
1.00	1.02	-0.02	0.13
2.00	2.02	-0.02	0.23
4.00	4.03	-0.03	0.38
8.00	8.03	-0.03	0.49
16.00	16.04	-0.02	0.31
32.00	32.02	-0.02	0.76
62.00	60.65	1.35	4.91
63.94	62.00	1.93	5.55

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.81	0.19	0.44
10.00	10.04	-0.04	0.49
15.00	14.97	0.03	0.37
20.00	20.02	-0.02	0.48
25.00	24.96	0.04	0.65
30.00	30.02	-0.02	0.74
35.00	35.01	-0.01	0.84
40.00	40.05	-0.05	1.01
45.00	45.06	-0.06	1.32
50.00	49.56	0.44	2.40
55.00	53.87	1.13	3.35
60.00	58.68	1.32	4.37

QA/QC Approval: Cameron Kelsey Date: 2/3/25

7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

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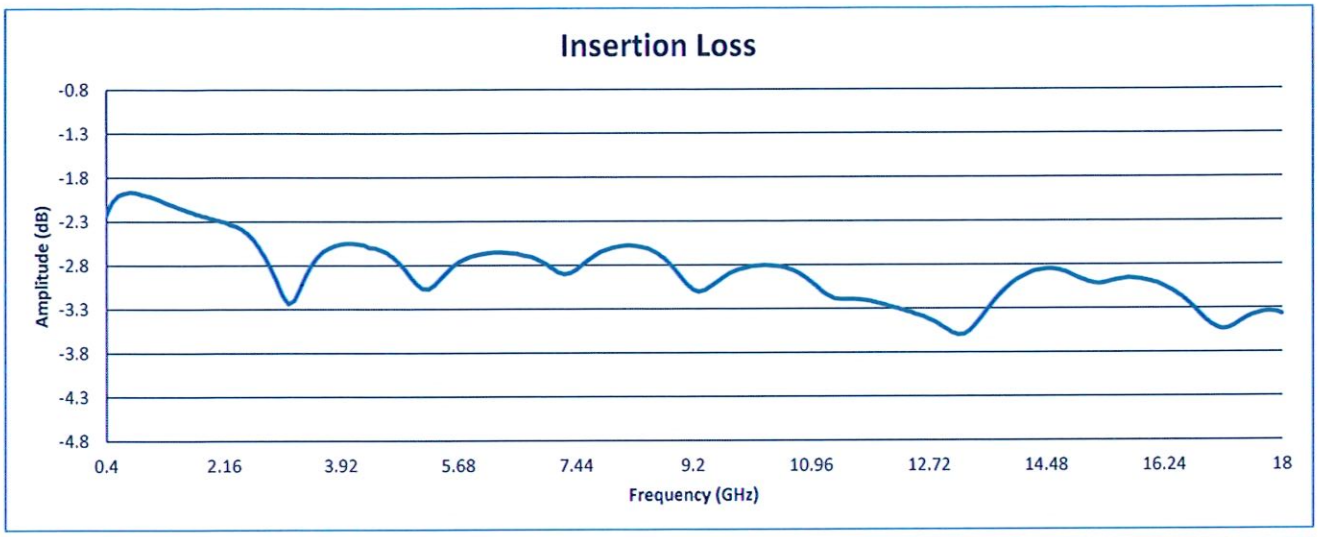

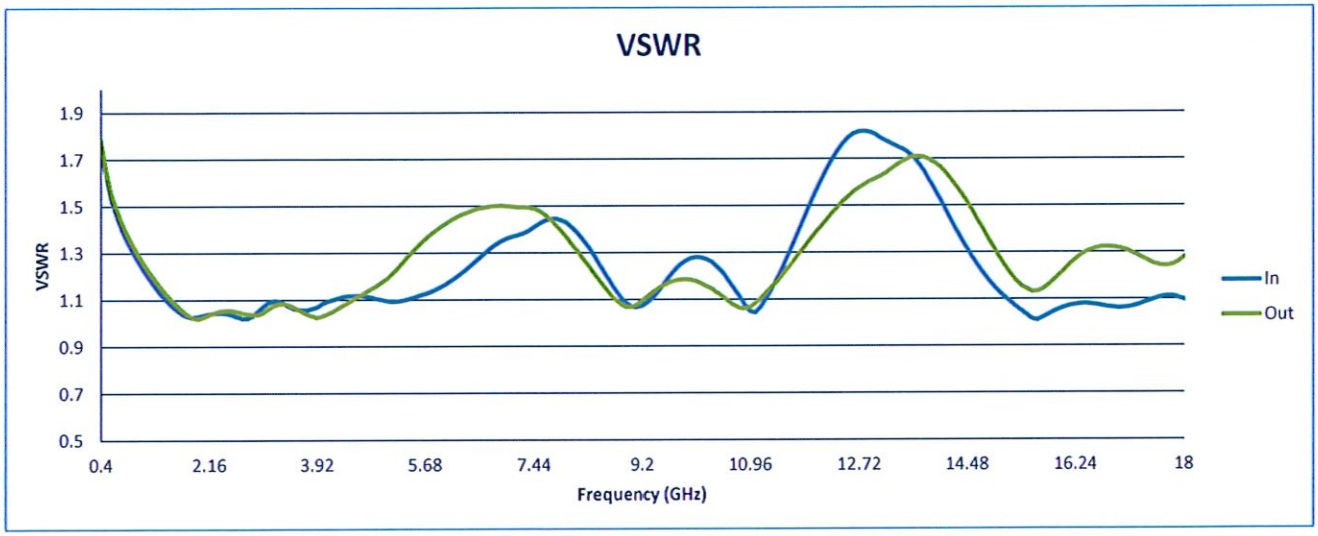

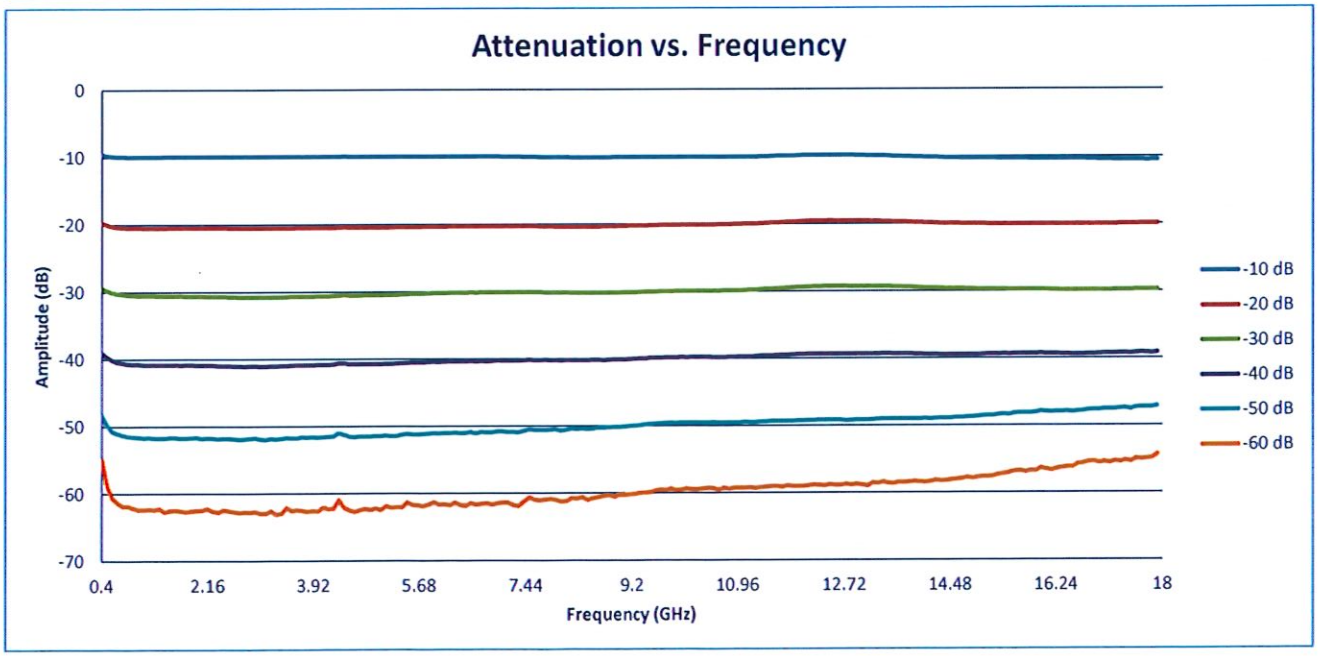

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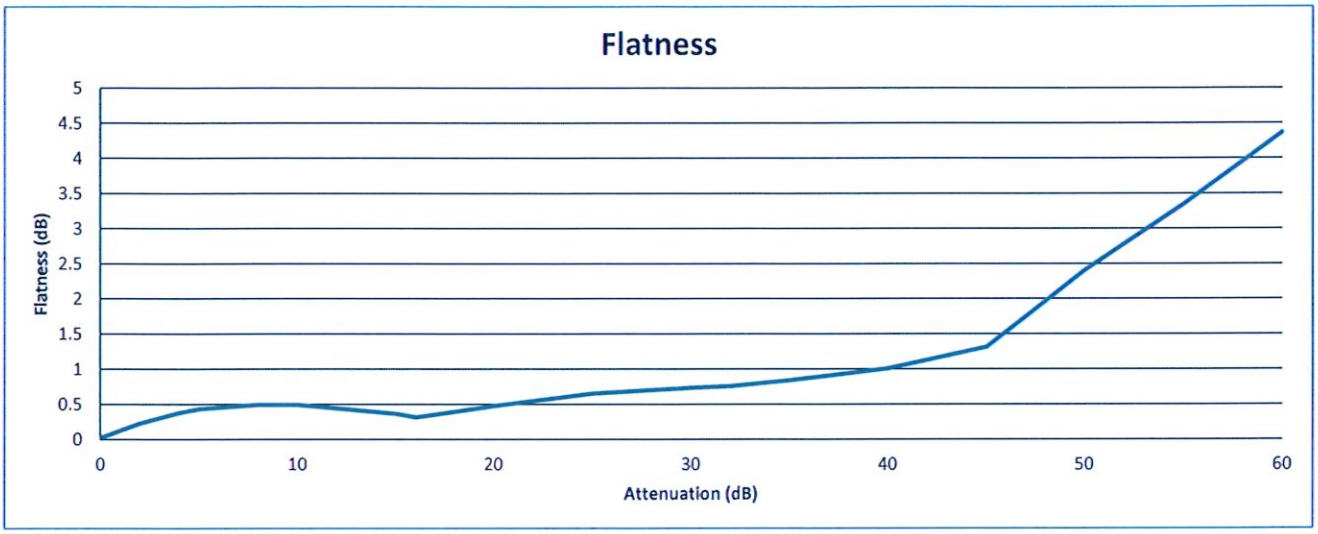

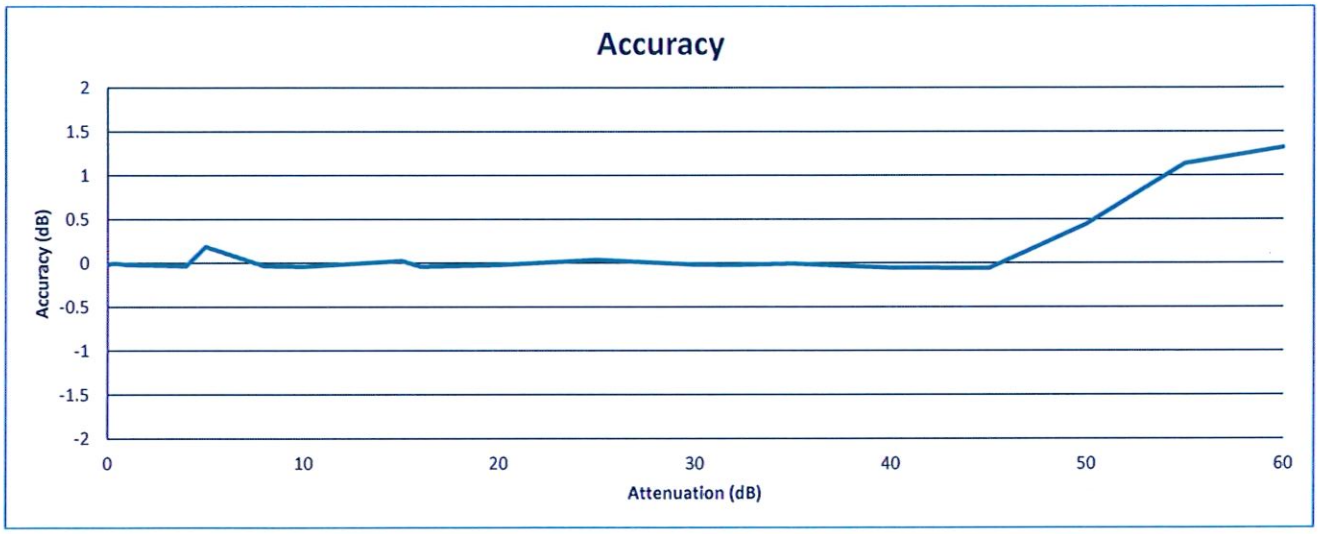

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