Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-4

Customer: [redacted]
Job No: [redacted]
Model No: DTA-0R5G18G-60-CD-4
Serial No: PL46699/2425

Tested By: K. Mansfield
Date: Monday, June 17, 2024
Temperature: +25° C
Drawing No: 27641860 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA4
2	Insertion Loss:	4.8 dB Max.	4 dB See Plot	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.5 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.7 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±1.63 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.18 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.24 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.26 dB See Plot	
11	Minimum Attenuation Step:	1.0 µs Max. On 0.5 µs Max. Off	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15 VDC @ 150 mA Max.	117 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.07	-0.01	0.03
0.125	0.13	0.00	0.04
0.25	0.24	0.01	0.06
0.50	0.48	0.02	0.08
1.00	0.98	0.02	0.11
2.00	1.99	0.01	0.18
4.00	3.98	0.02	0.30
8.00	7.99	0.01	0.33
16.00	16.01	-0.20	0.34
32.00	32.20	-0.20	0.69
62.00	62.44	-0.44	1.85
63.94	64.59	-0.65	1.99

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.82	0.18	0.32
10.00	10.01	-0.01	0.31
15.00	14.96	0.04	0.32
20.00	20.07	-0.07	0.50
25.00	25.06	-0.06	0.62
30.00	30.20	-0.20	0.70
35.00	35.20	-0.20	0.68
40.00	40.24	-0.24	0.70
45.00	45.19	-0.19	0.69
50.00	50.25	-0.25	0.89
55.00	55.21	-0.21	0.92
60.00	60.26	-0.26	1.63

QA/QC Approval: Cameron Veley Date: 06/17/2024

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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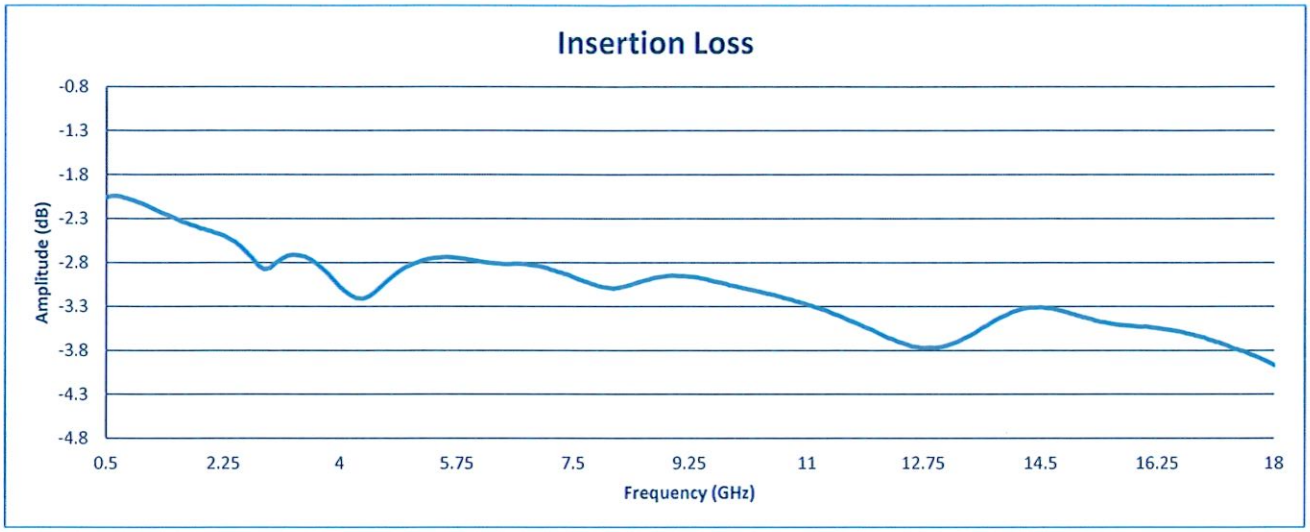

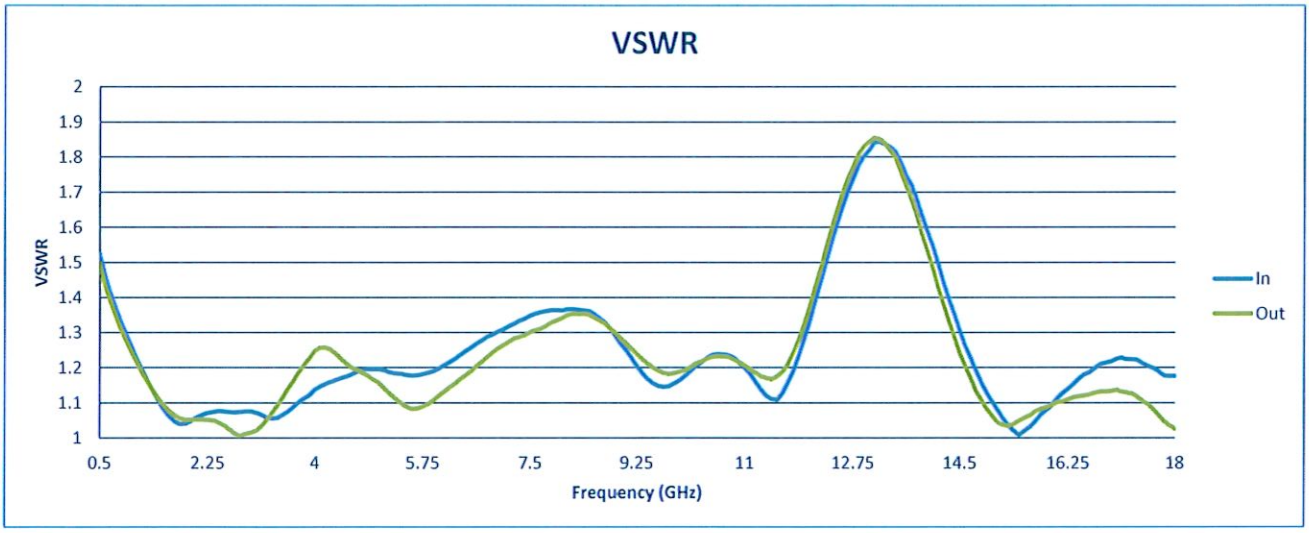

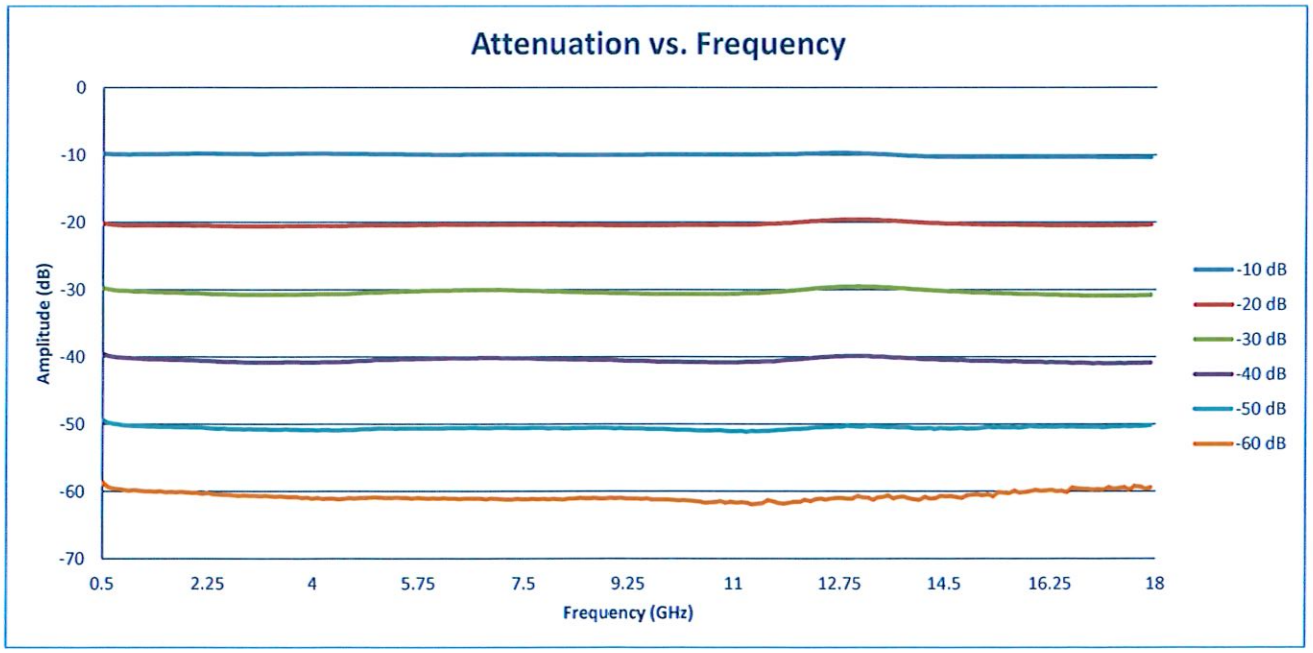

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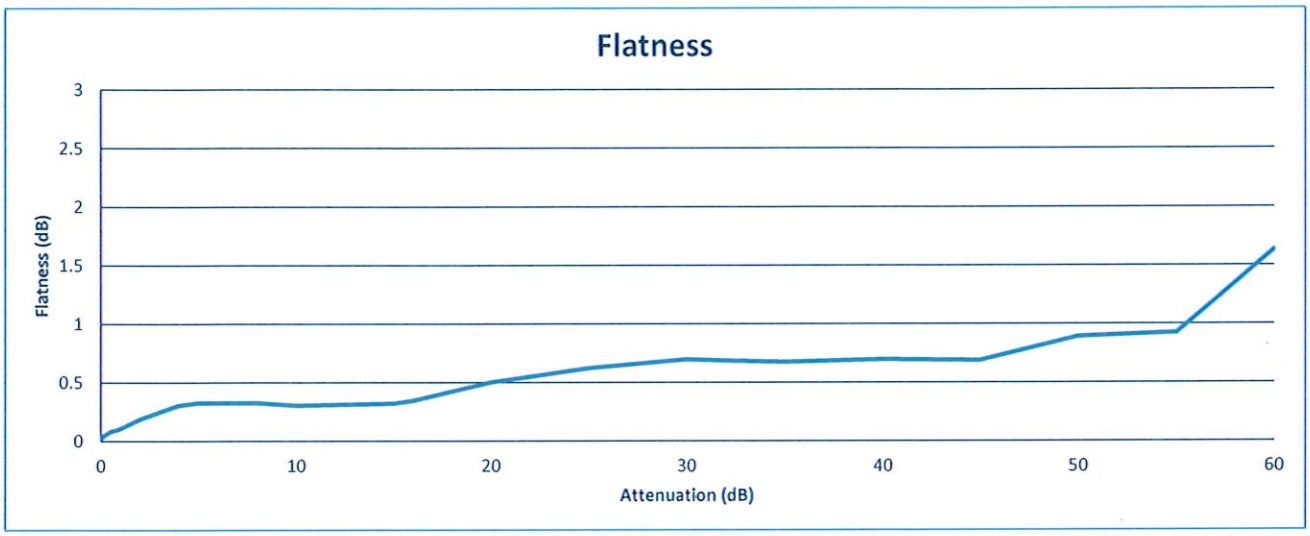

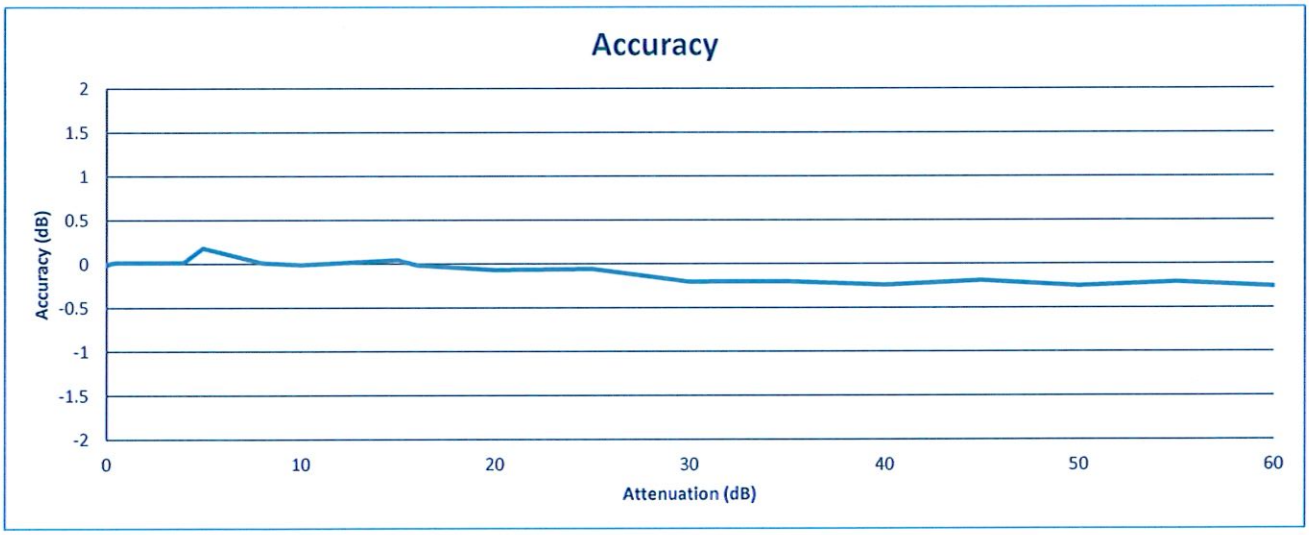

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