Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1

Customer:
Job No:
Model No: DTA-0R5G18G-60-CD-1
Serial No: PL45735/2417

Tested By: A. Mousavi
Date: Friday, April 26, 2024
Temperature: +25° C
Drawing No: 27617795 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA2
2	Insertion Loss:	4.8 dB Max.	4.4 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.48 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.82 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±2.17 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.19 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.15 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.07 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 QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.00	0.06	0.00
0.125	0.13	0.00	0.03
0.25	0.25	0.00	0.05
0.50	0.50	0.00	0.06
1.00	1.00	0.00	0.09
2.00	1.99	0.01	0.18
4.00	4.00	0.00	0.32
8.00	8.03	-0.03	0.32
16.00	16.13	-0.15	0.33
32.00	32.15	-0.15	0.79
62.00	62.05	-0.05	2.48
63.94	63.78	0.16	2.81

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.81	0.19	0.35
10.00	10.03	-0.03	0.33
15.00	14.99	0.01	0.31
20.00	20.03	-0.03	0.48
25.00	25.01	-0.01	0.66
30.00	30.06	-0.06	0.77
35.00	35.00	0.00	0.79
40.00	40.05	-0.05	0.82
45.00	45.07	-0.07	0.97
50.00	50.04	-0.04	1.19
55.00	54.99	0.01	1.58
60.00	60.03	-0.03	2.17

QA/QC Approval: PMI QA2 Date: 4/30/2024

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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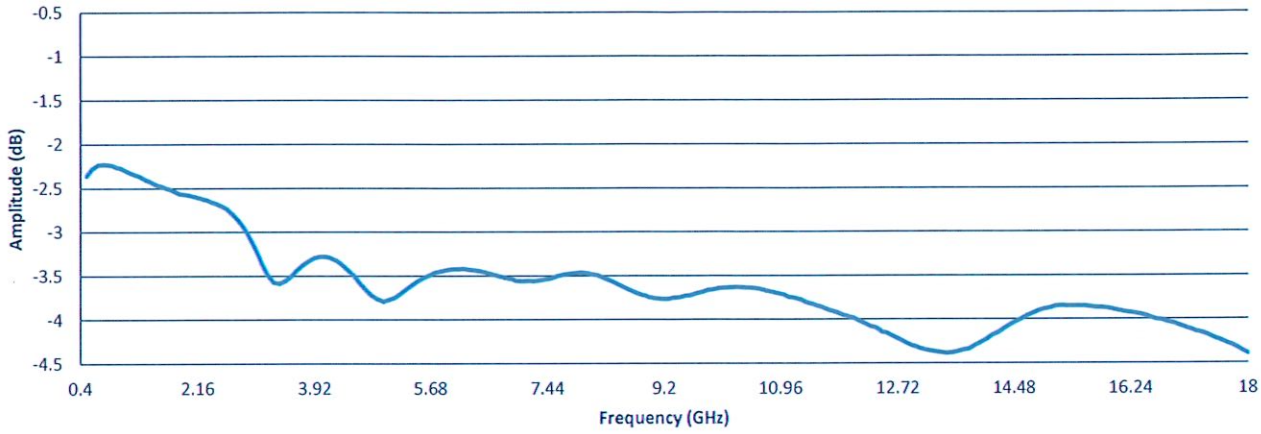
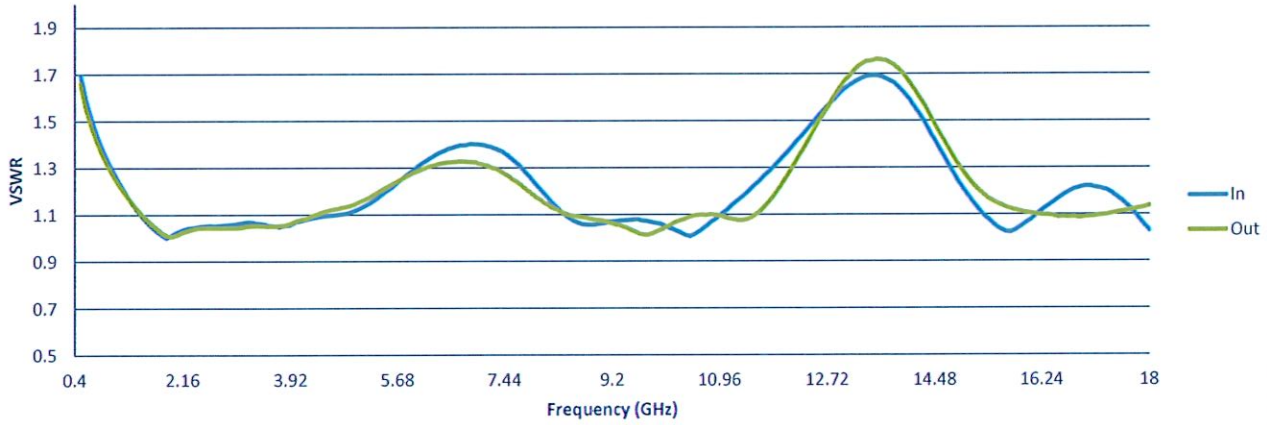
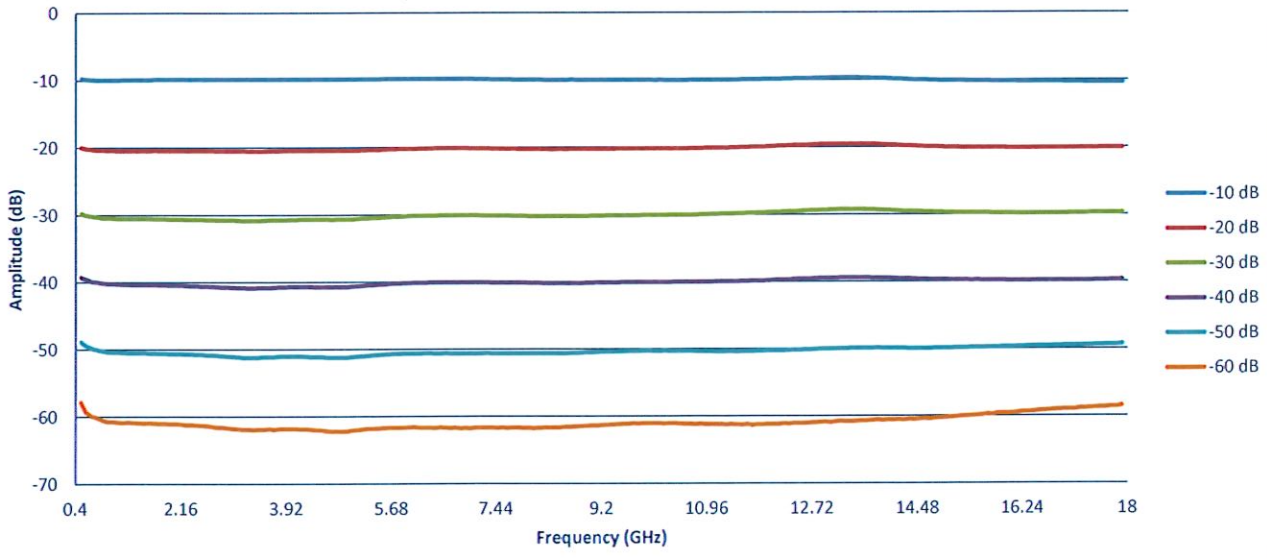
Insertion Loss



VSWR



Attenuation vs. Frequency



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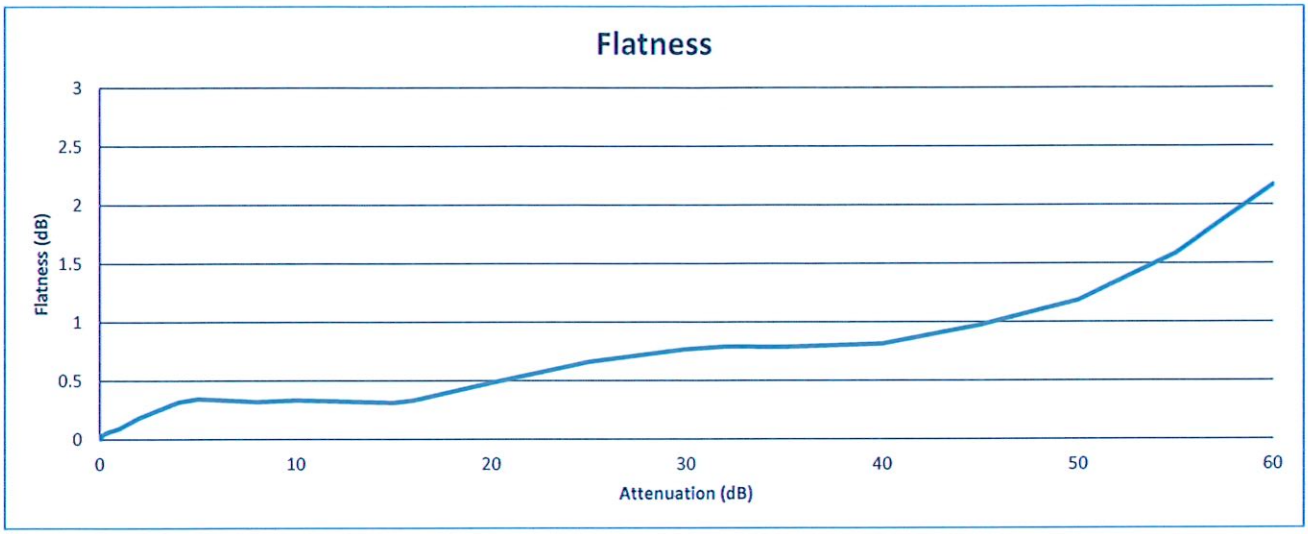

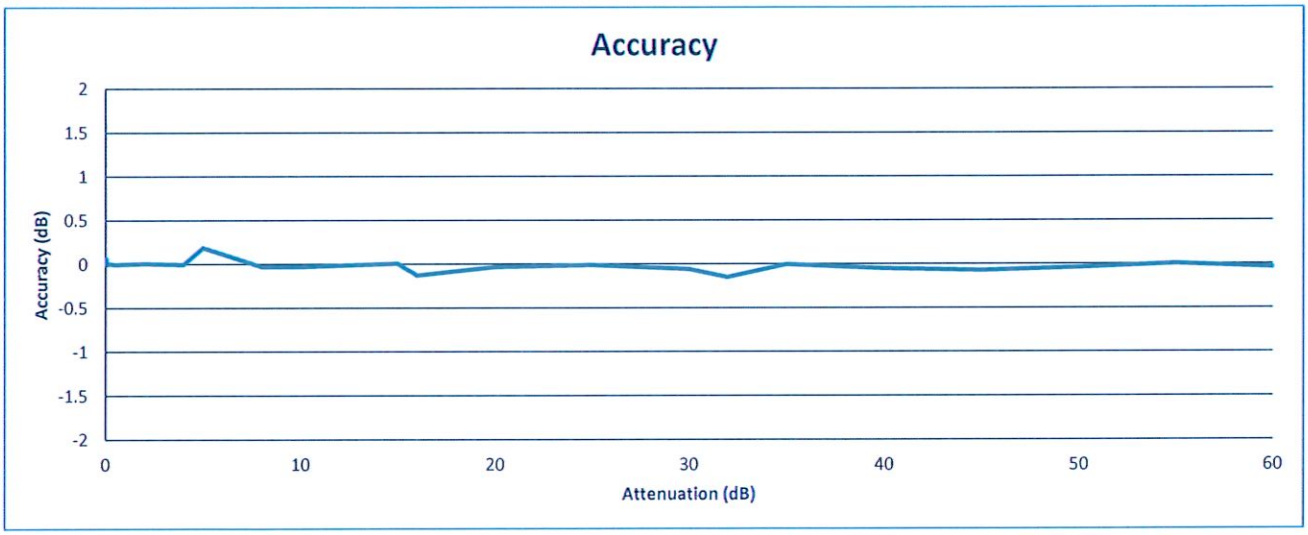

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