Quantic PMI
PLANAR MONOLITHICS

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

Customer: _____
Job No: _____
Model No: DTA-0R5G18G-60-CD-4
Serial No: PL46700/2425

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.	3.9 dB See Plot	
3	VSWR:	2.0:1 Max.	1.8:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.49 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.	±1.7 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.24 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.08 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.06 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.	118 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.08	-0.02	0.04
0.125	0.14	-0.01	0.05
0.25	0.24	0.01	0.07
0.50	0.48	0.02	0.10
1.00	0.98	0.02	0.13
2.00	1.97	0.03	0.19
4.00	3.95	0.05	0.32
8.00	7.94	0.06	0.33
16.00	15.94	-0.07	0.34
32.00	32.07	-0.07	0.69
62.00	62.02	-0.02	1.95
63.94	63.78	0.16	2.23

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.76	0.24	0.34
10.00	9.95	0.05	0.27
15.00	14.86	0.14	0.29
20.00	19.96	0.04	0.49
25.00	24.92	0.08	0.63
30.00	30.05	-0.05	0.71
35.00	35.00	0.00	0.66
40.00	40.01	-0.01	0.60
45.00	44.96	0.04	0.62
50.00	49.99	0.01	0.69
55.00	55.04	-0.04	1.30
60.00	60.06	-0.06	1.70

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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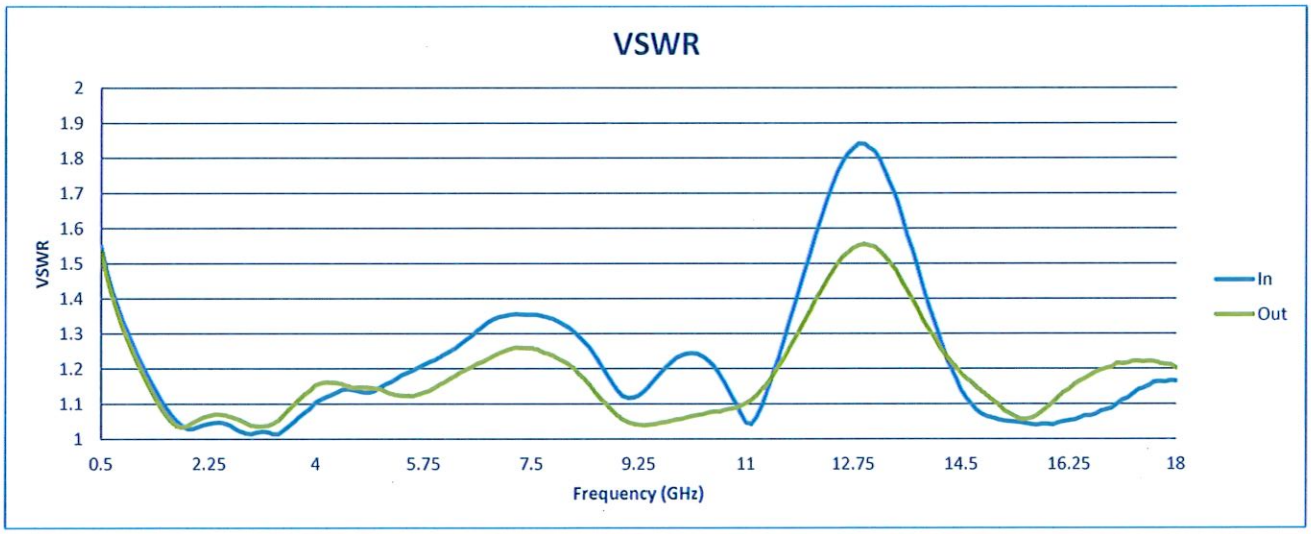
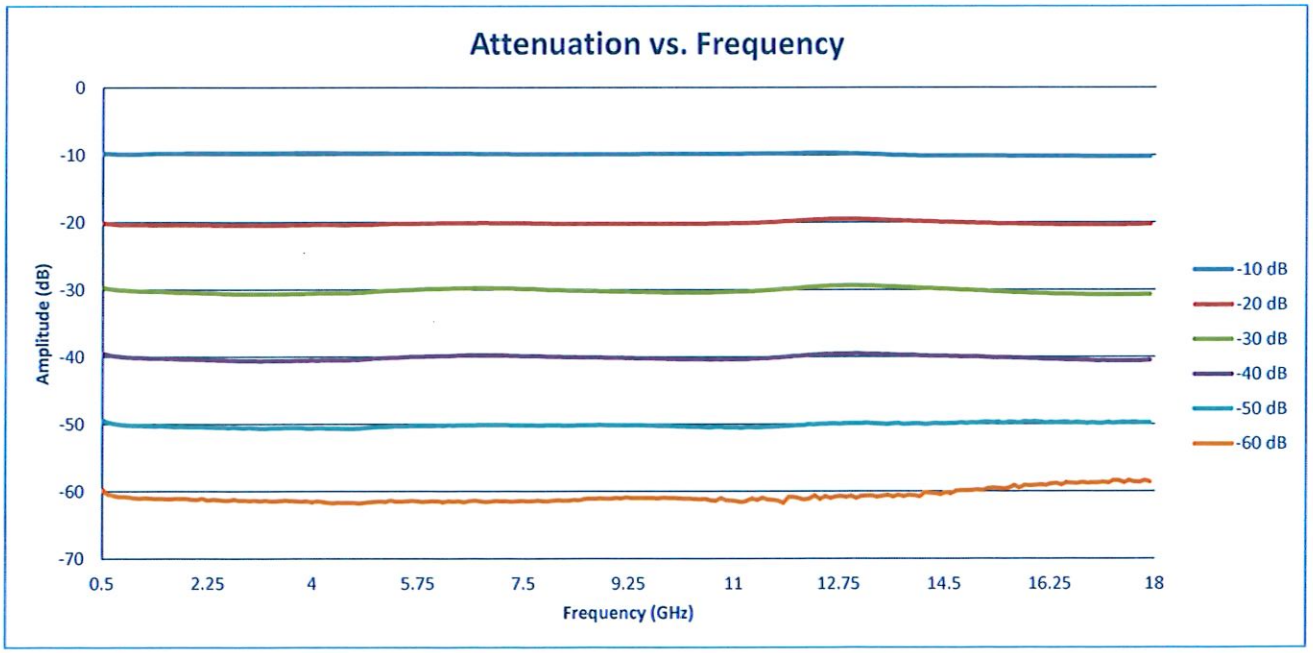
PL46700/2425





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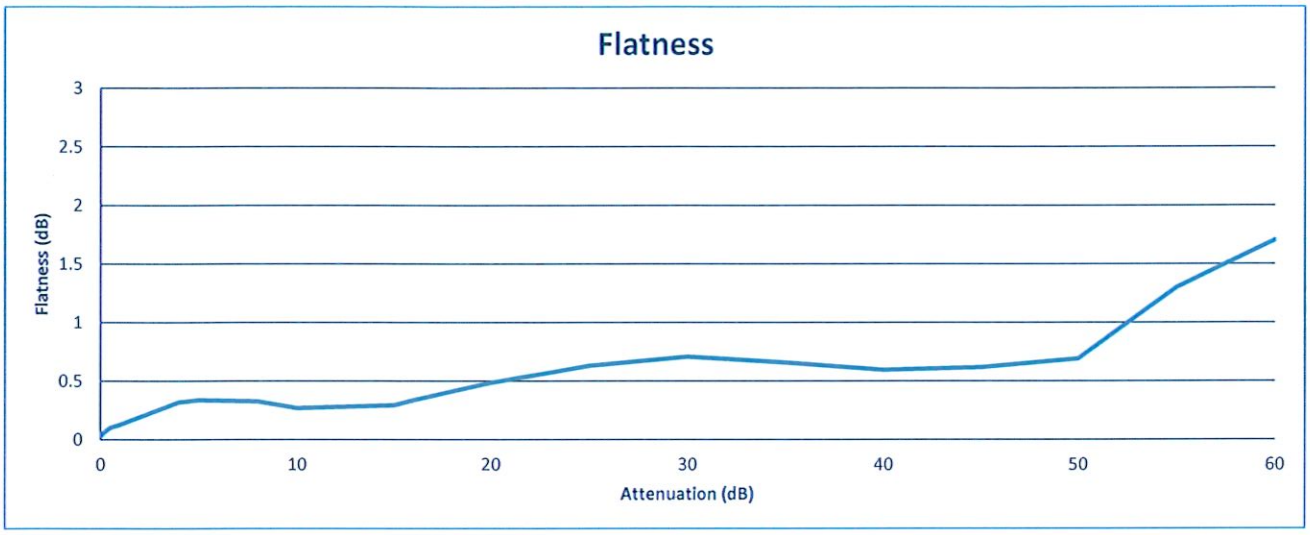

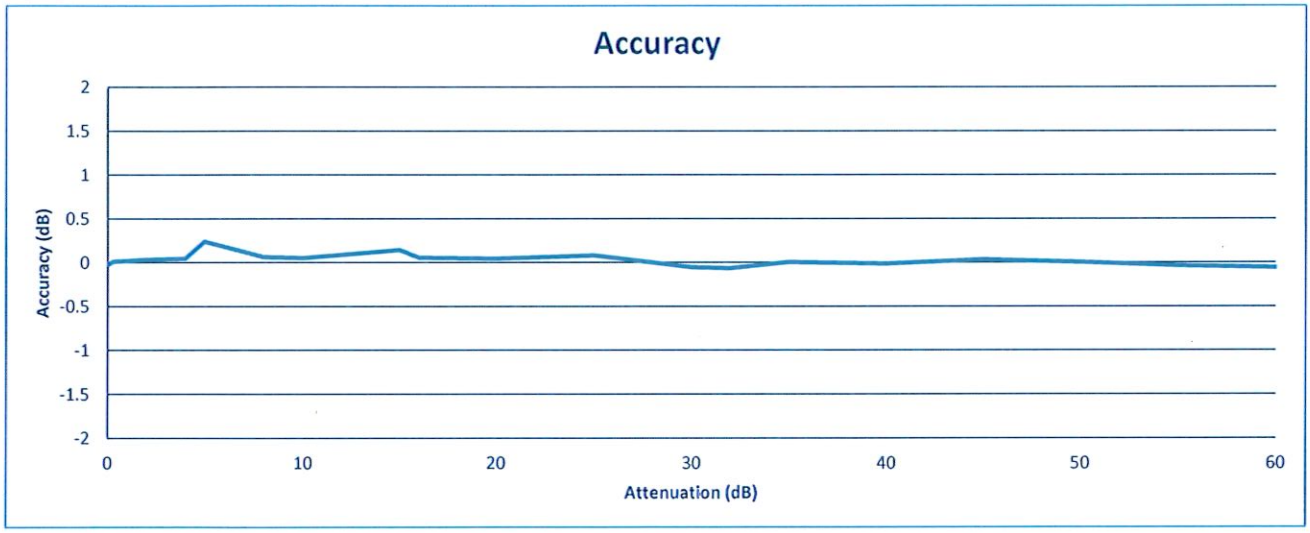

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