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: PI 42563/2342

Tested By: K. Mansfield
Date: Wednesday, October 18, 2023
Temperature: +25° C
Drawing No: 27637160 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	0.4 GHz – 18 GHz	0.4 GHz – 18 GHz	PMI QA2
2	Insertion Loss:	4.8 dB Max.	3.8 dB See Plot	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.44 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±3.83 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.25 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.31 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.99 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.	105 mA	PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.08	-0.01	0.04
0.125	0.14	-0.01	0.06
0.25	0.27	-0.02	0.08
0.50	0.52	-0.02	0.11
1.00	1.03	-0.03	0.14
2.00	2.05	-0.05	0.17
4.00	4.10	-0.10	0.28
8.00	8.04	-0.04	0.43
16.00	16.22	-0.31	0.33
32.00	32.31	-0.31	0.67
62.00	60.81	1.19	4.45
63.94	62.77	1.17	5.38

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.12	-0.12	0.40
10.00	10.06	-0.06	0.34
15.00	15.14	-0.14	0.29
20.00	20.25	-0.25	0.44
25.00	25.24	-0.24	0.48
30.00	30.30	-0.30	0.60
35.00	35.25	-0.25	0.77
40.00	40.12	-0.12	1.00
45.00	45.27	-0.27	1.36
50.00	50.23	-0.23	1.91
55.00	54.44	0.56	2.54
60.00	59.01	0.99	3.83

QA/QC Approval: PMI QA2 Date: 10/20/2023

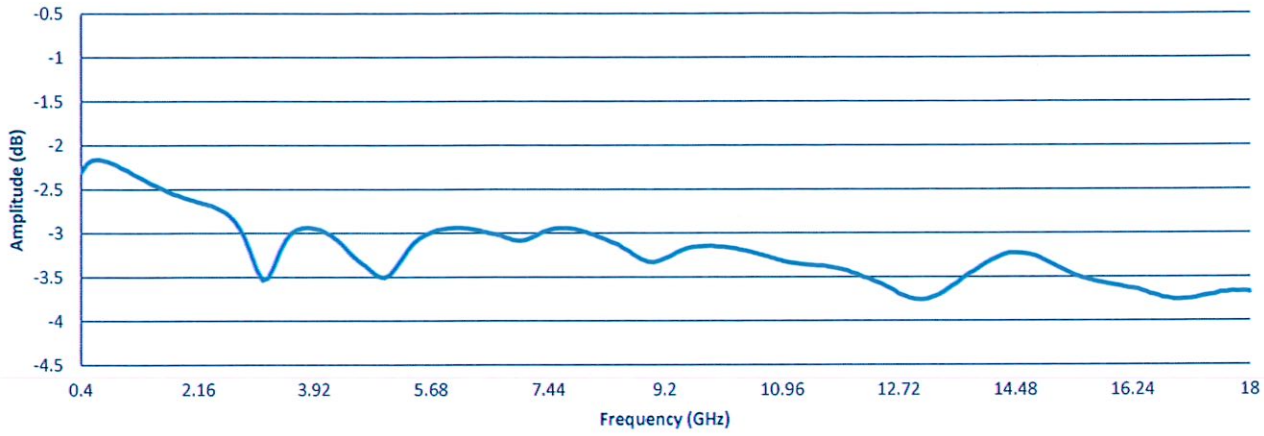
7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

Quantic PMI
PLANAR MONOLITHICS

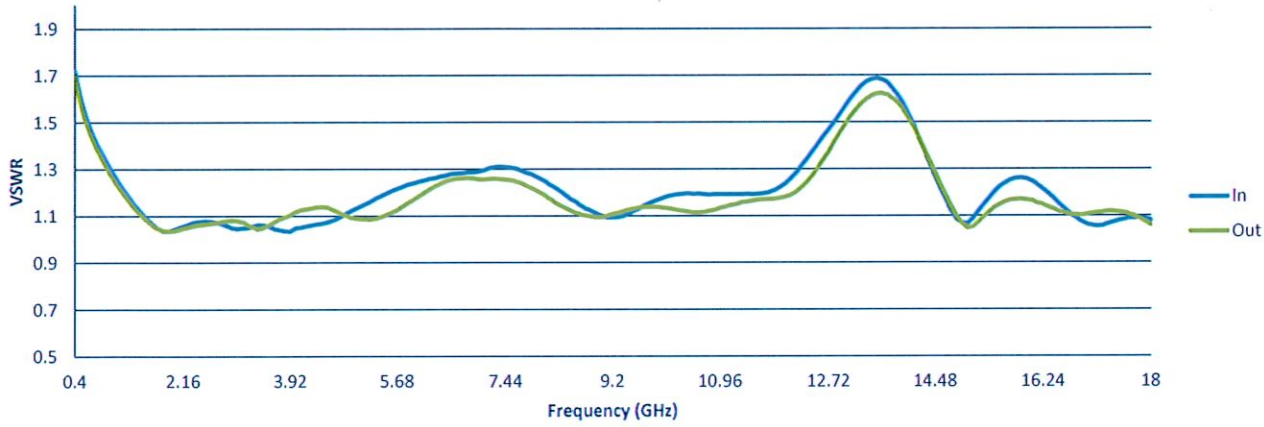
SUMMARY TEST DATA ON DTA-0R4G18G-60-CD-1

PL42563/2342

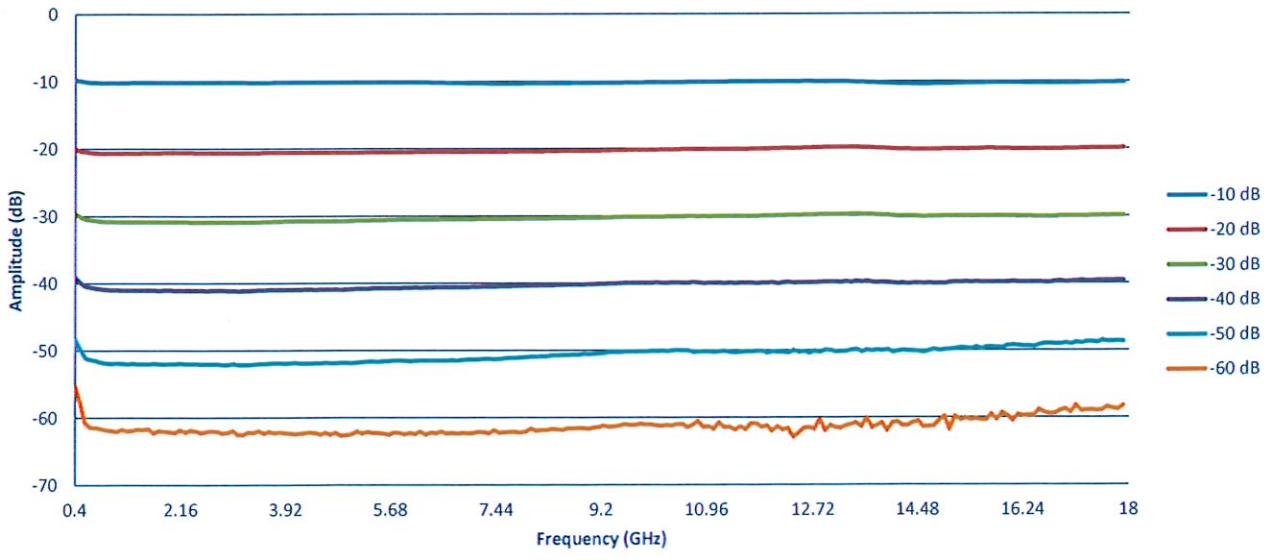
Insertion Loss



VSWR



Attenuation vs. Frequency

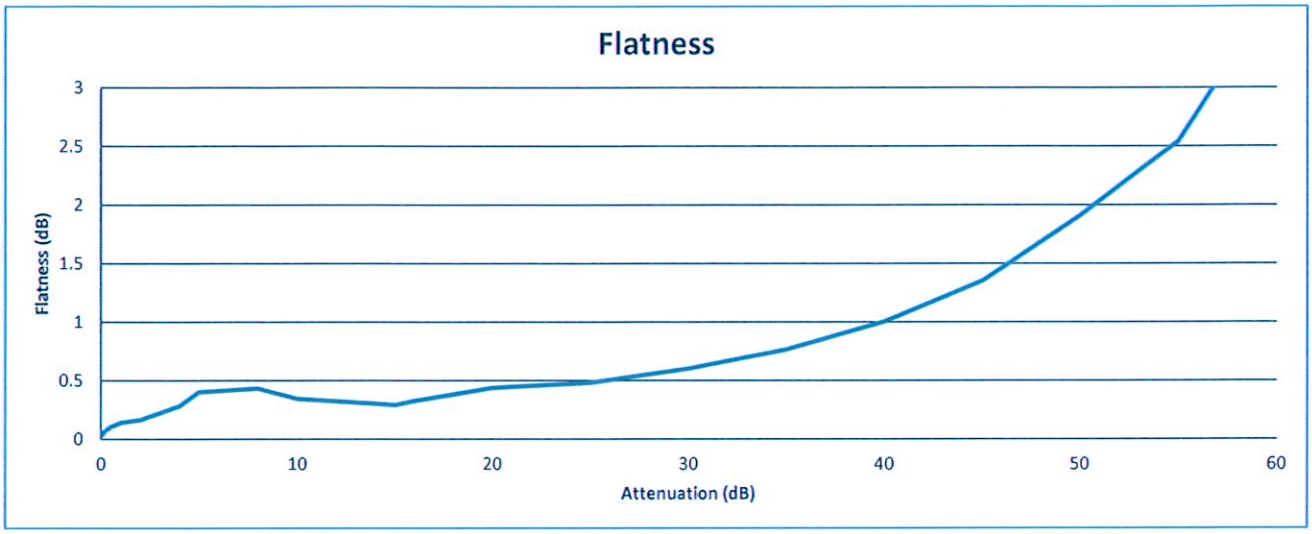


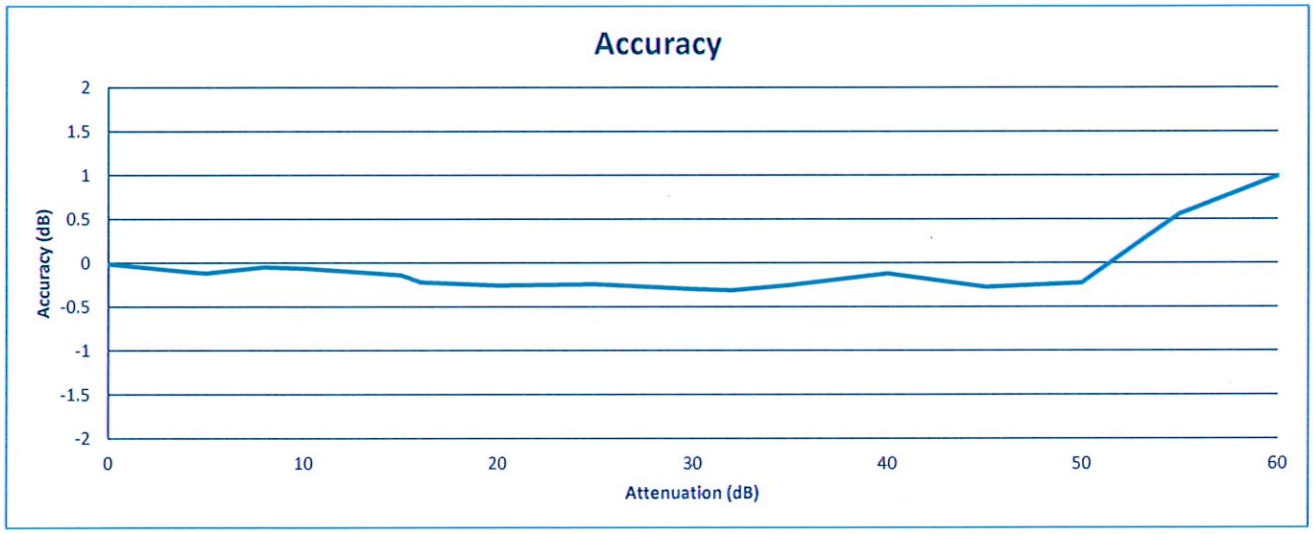
7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

Quantic PMI
PLANAR MONOLITHICS

PL42563/2342

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





7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com