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: PL42564/2342

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.	±0.41 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±1.03 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±3.91 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	±0.09 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	±0.07 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.73 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.	106 mA	PMI QA2

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	0.05
0.25	0.25	0.00	0.07
0.50	0.50	0.00	0.10
1.00	1.01	-0.01	0.13
2.00	2.02	-0.02	0.16
4.00	4.07	-0.07	0.24
8.00	7.98	0.02	0.41
16.00	16.05	0.03	0.30
32.00	31.97	0.03	0.69
62.00	60.99	1.01	4.59
63.94	62.91	1.03	5.45

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.09	-0.09	0.38
10.00	9.98	0.02	0.33
15.00	14.97	0.03	0.27
20.00	20.05	-0.05	0.38
25.00	24.94	0.06	0.48
30.00	29.96	0.04	0.63
35.00	34.94	0.06	0.80
40.00	39.93	0.07	1.03
45.00	45.08	-0.08	1.48
50.00	50.10	-0.10	2.20
55.00	54.64	0.36	2.73
60.00	59.27	0.73	3.91

QA/QC Approval: [signature] PMI QA2 Date: 10/20/2023

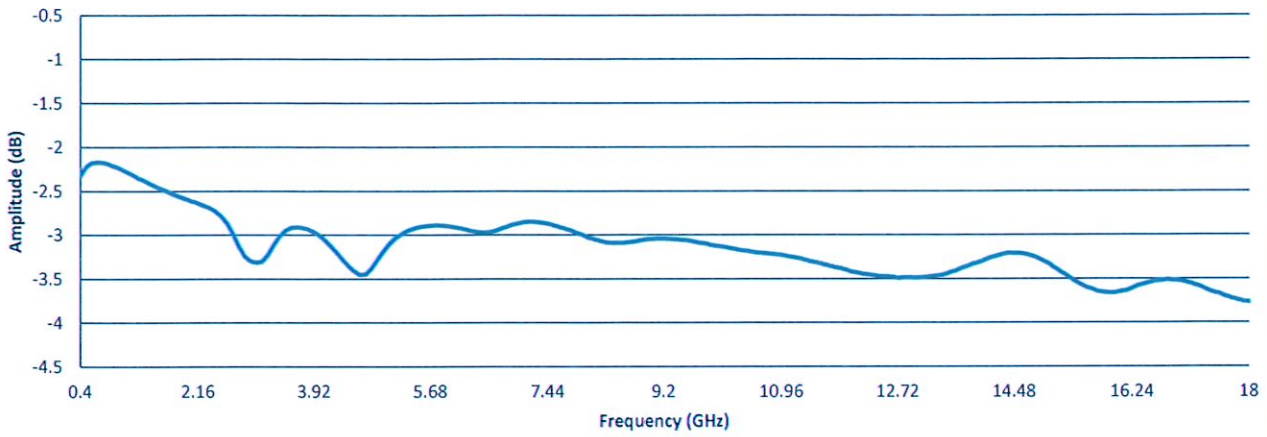
7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

Quantic PMI
PLANAR MONOLITHICS

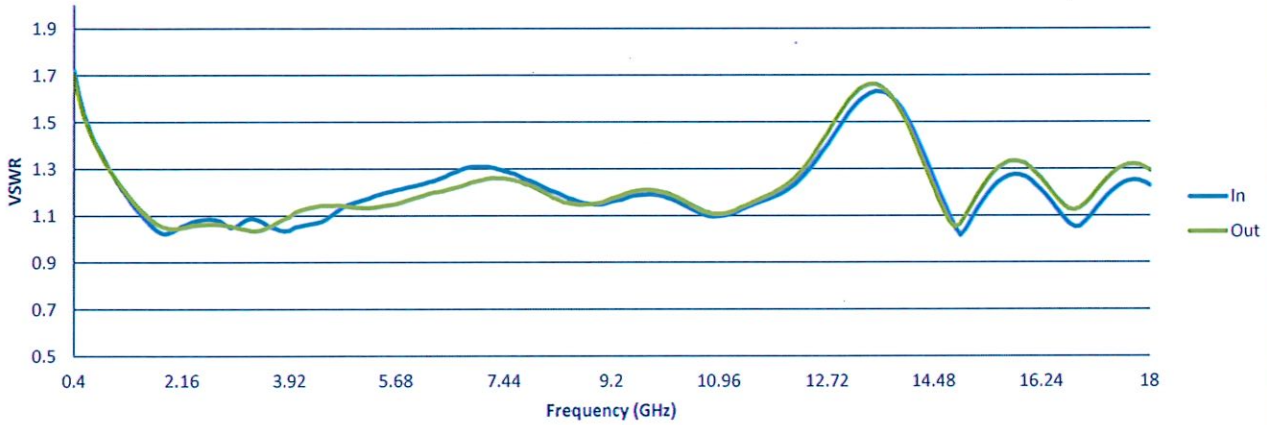
SUMMARY TEST DATA ON DTA-0R4G18G-60-CD-1

PL42564/2342

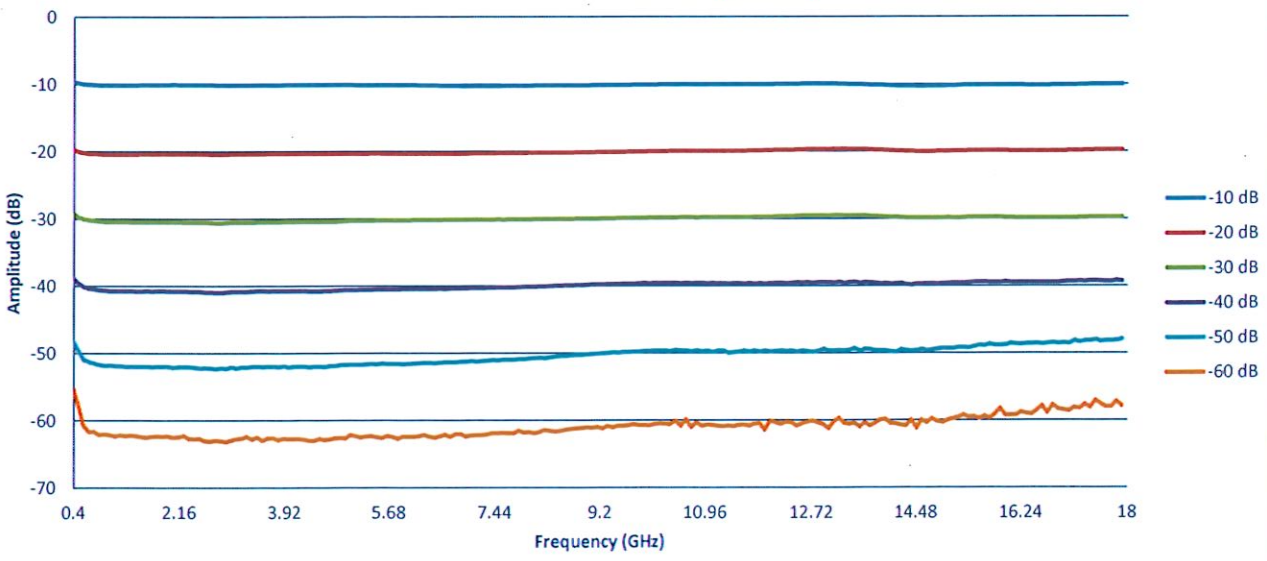
Insertion Loss



VSWR



Attenuation vs. Frequency

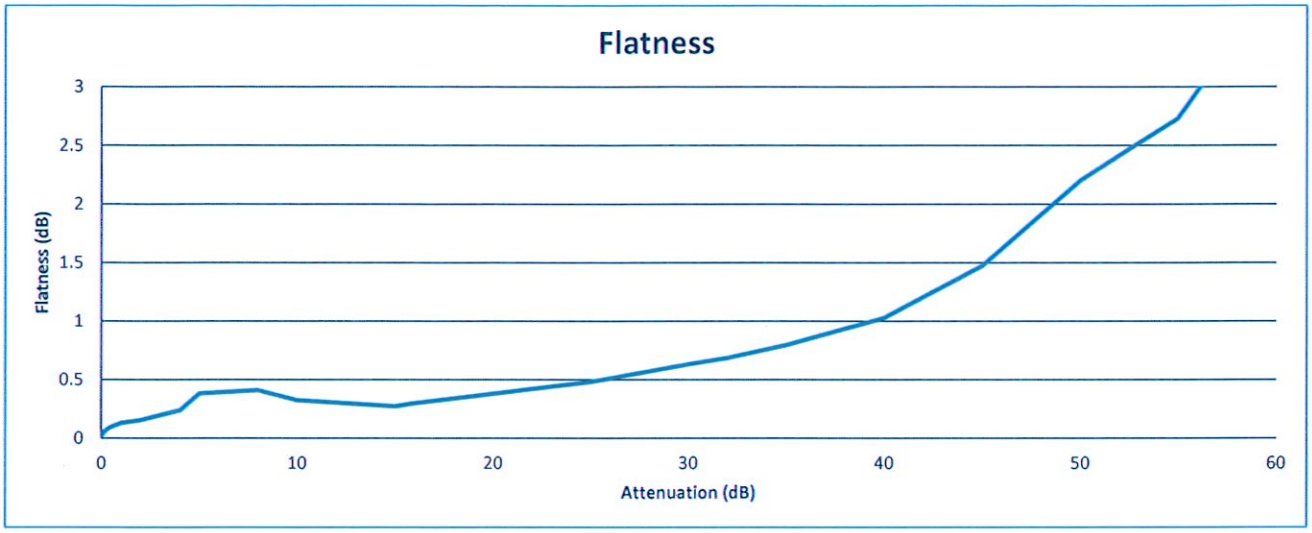


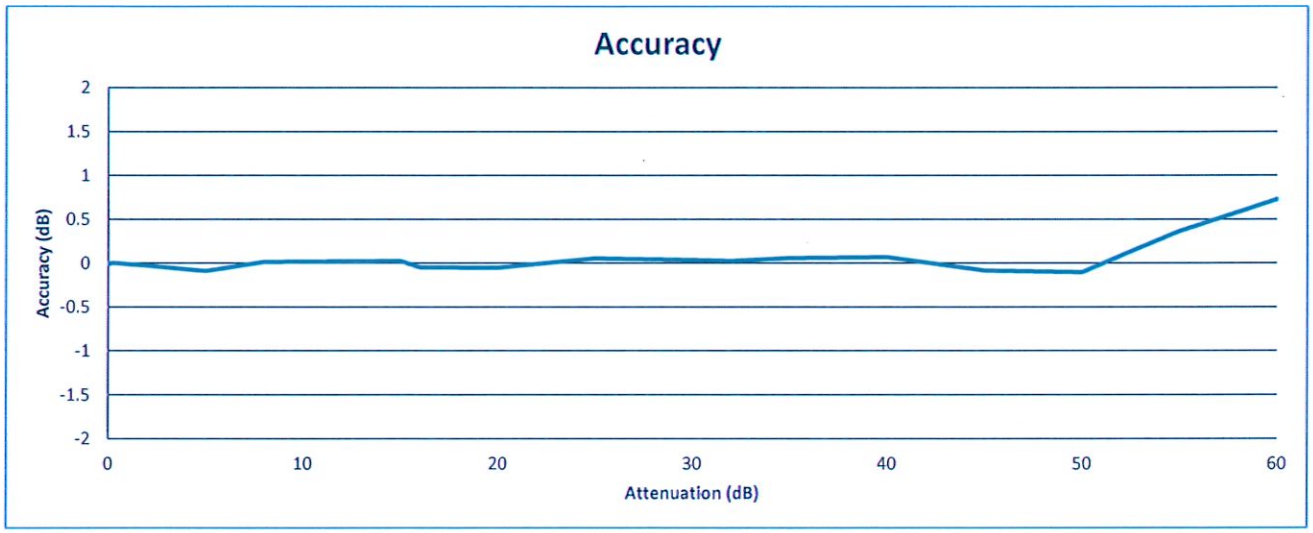
7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

Quantic PMI
PLANAR MONOLITHICS

PL42564/2342

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