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: PL39693/2308

Tested By: K. Mansfield
Date: Thursday, September 7, 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 QA1
2	Insertion Loss:	4.8 dB Max.	3.7 dB See Plot	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	±0.53 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	±0.9 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	±3.5 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.	±0.58 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	±0.85 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.	115 mA	PMI QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.07	0.00	0.02
0.125	0.12	0.01	0.03
0.25	0.23	0.02	0.04
0.50	0.46	0.04	0.05
1.00	0.96	0.04	0.06
2.00	1.93	0.07	0.10
4.00	3.90	0.10	0.18
8.00	7.84	0.16	0.25
16.00	15.89	0.22	0.40
32.00	31.78	0.22	0.78
62.00	61.03	0.97	4.12
63.94	62.74	1.20	4.87

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.87	0.13	0.21
10.00	9.84	0.16	0.27
15.00	14.81	0.19	0.38
20.00	19.92	0.08	0.53
25.00	24.87	0.13	0.66
30.00	29.82	0.18	0.73
35.00	34.62	0.38	0.73
40.00	39.42	0.58	0.90
45.00	44.29	0.71	1.18
50.00	49.15	0.85	1.65
55.00	54.28	0.72	2.34
60.00	59.15	0.85	3.50

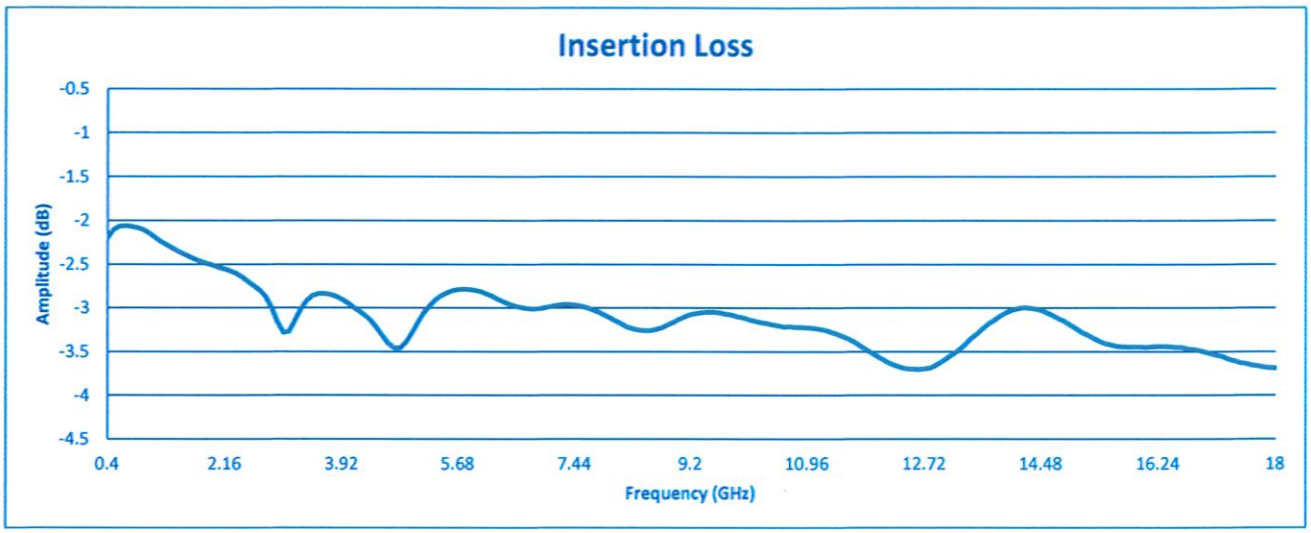
QA/QC Approval: PMI QA1 Date: 9/7/23

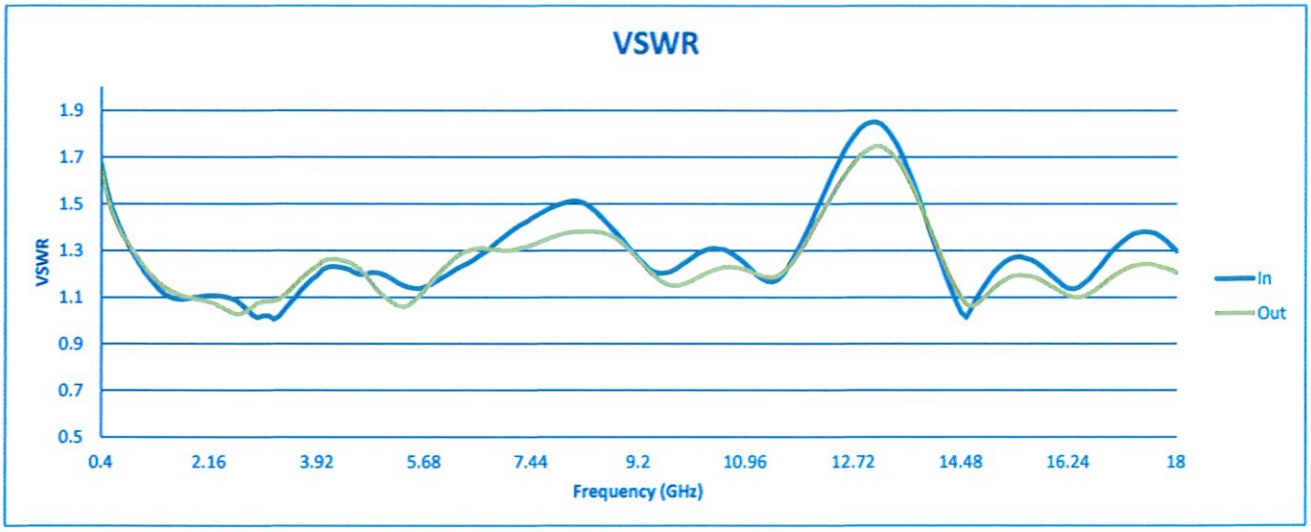
7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

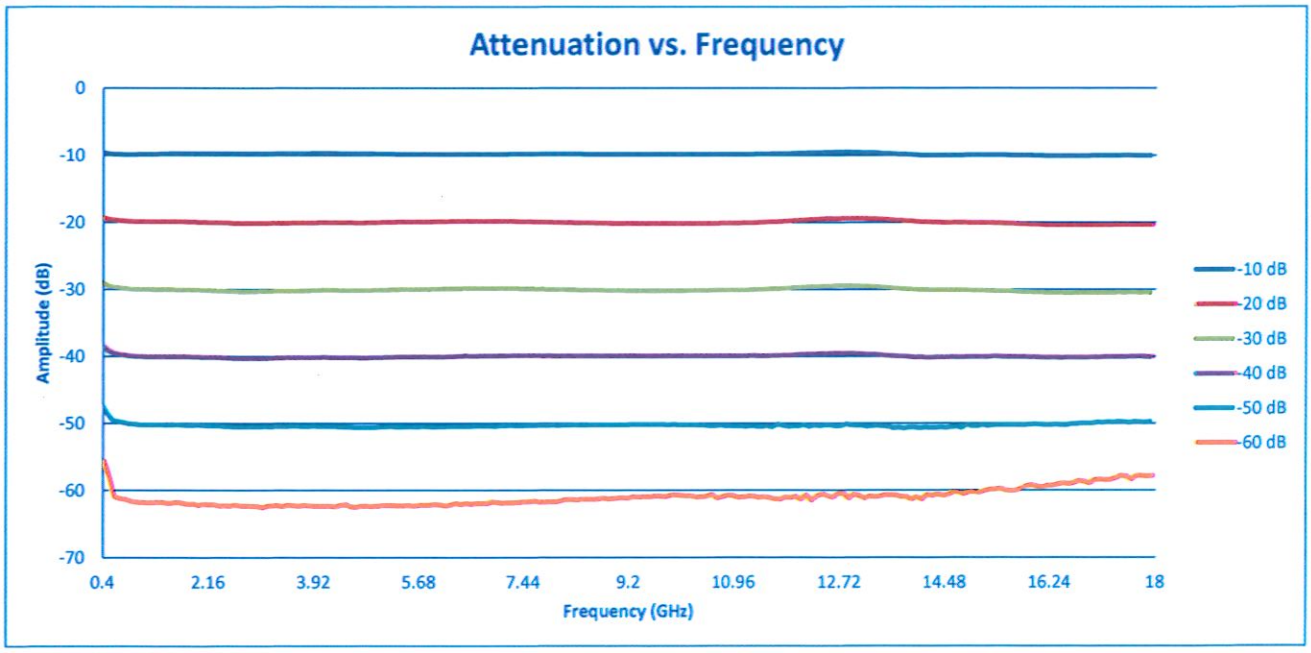
Quantic PMI
PLANAR MONOLITHICS

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

PL39693/2308





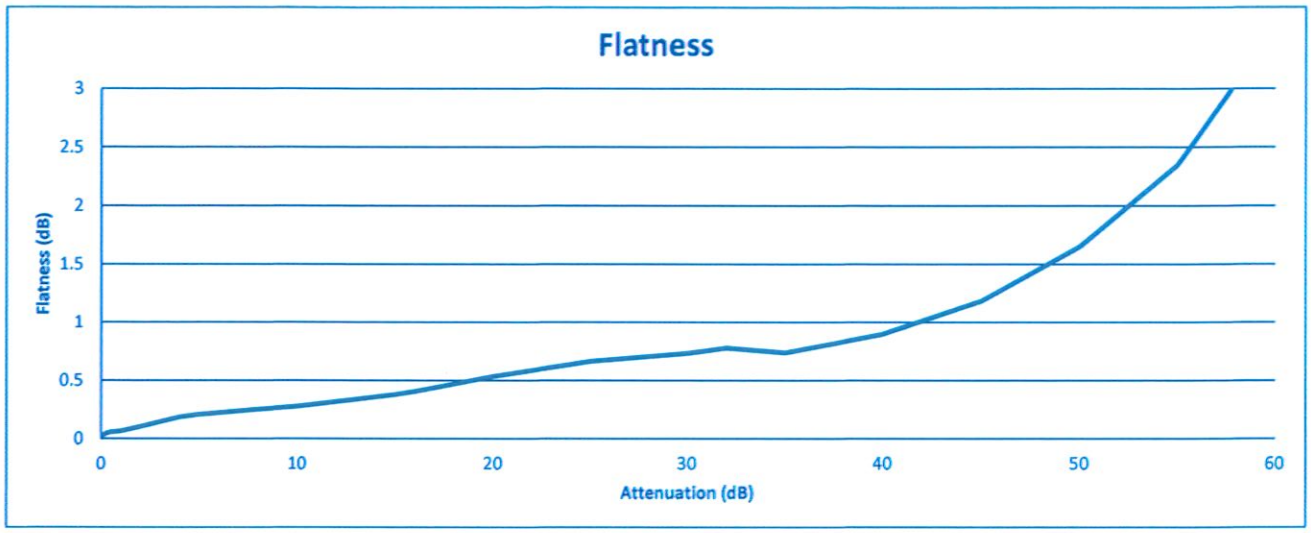


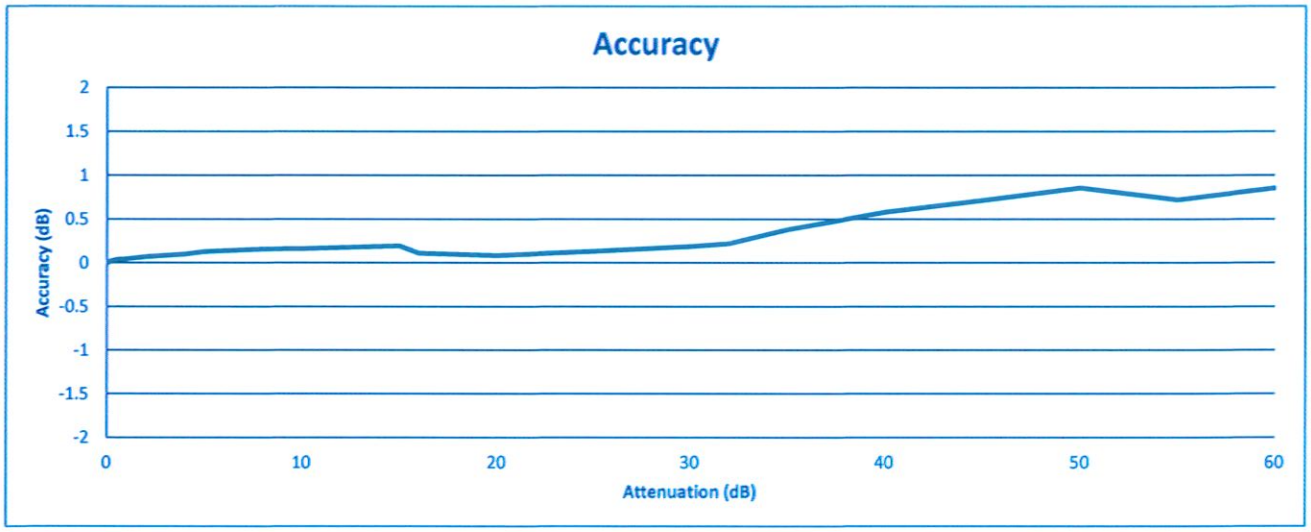
7309-A Grove Road, Frederick, MD 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

Quantic PMI
PLANAR MONOLITHICS

PL39693/2308

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