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: PL39389/2304

Tested By: K. Mansfield
Date: Friday, January 27, 2023
Temperature: +25° C
Drawing No: 27617795 **Rev:** A3

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:	4.5 dB Max.	4.2 dB See Plot	
3	VSWR:	2.0:1 Max.	1.9:1 See Plot	
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.51 dB See Plot	
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.7 dB See Plot	
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.08 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.45 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.87 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1 dB See Plot	
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics	
12	DC Supply:	+15VDC @ 150 mA Max.	115 mA	PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.08	-0.01	0.02
0.125	0.13	-0.01	0.04
0.25	0.26	-0.01	0.05
0.50	0.51	-0.01	0.07
1.00	1.03	-0.03	0.07
2.00	2.05	-0.05	0.13
4.00	4.09	-0.09	0.24
8.00	8.16	-0.16	0.33
16.00	16.34	-0.78	0.40
32.00	32.78	-0.78	0.65
62.00	63.04	-1.04	2.41
63.94	64.99	-1.06	2.71

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	5.09	-0.09	0.27
10.00	10.21	-0.21	0.33
15.00	15.25	-0.25	0.38
20.00	20.45	-0.45	0.51
25.00	25.55	-0.55	0.60
30.00	30.74	-0.74	0.64
35.00	35.81	-0.81	0.61
40.00	40.87	-0.87	0.70
45.00	45.93	-0.93	0.89
50.00	50.99	-0.99	1.15
55.00	55.95	-0.95	1.50
60.00	61.00	-1.00	2.08

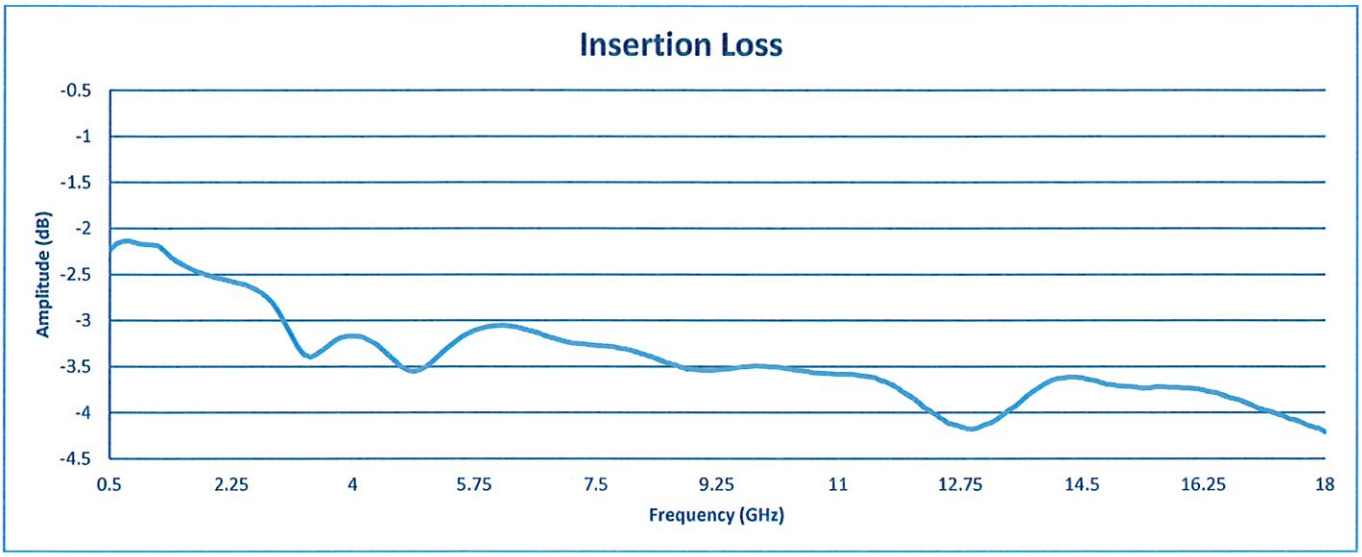
QA/QC Approval: PMI QA2 **Date:** 1/27/2023

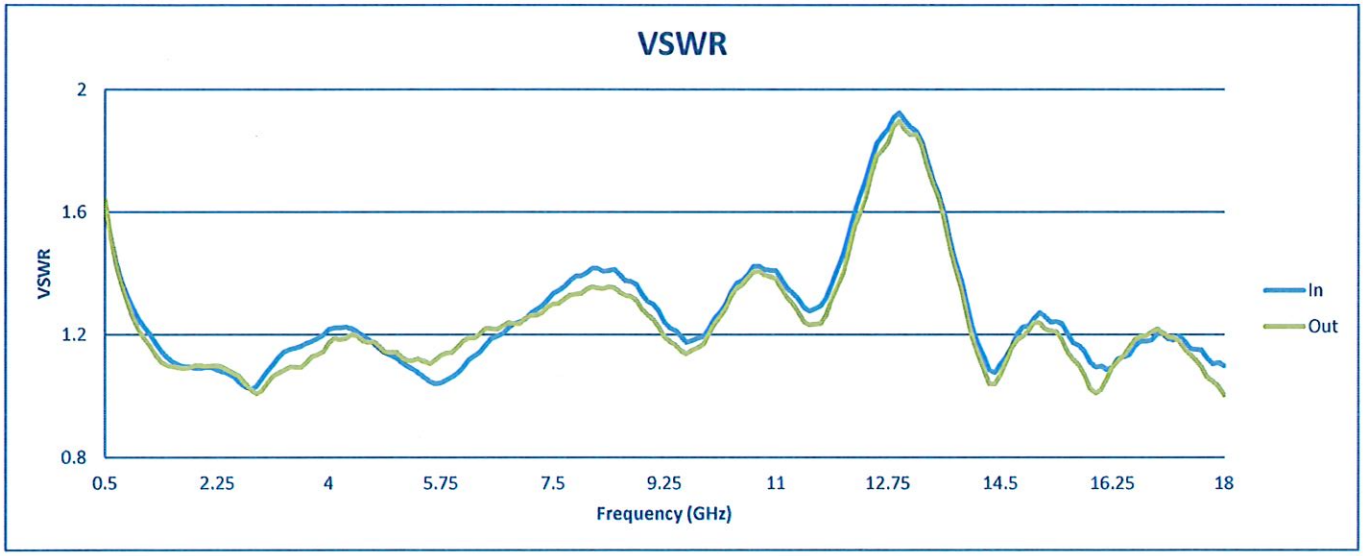
7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

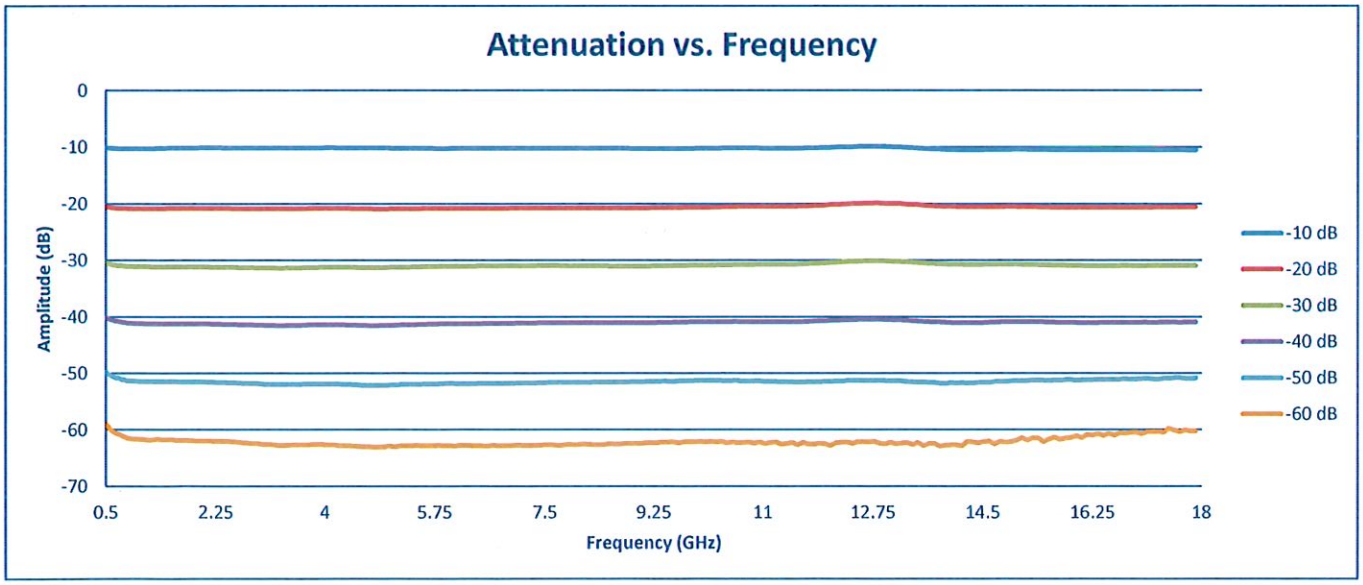
Quantic™ PMI
PLANAR MONOLITHICS

PL39389/2304

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





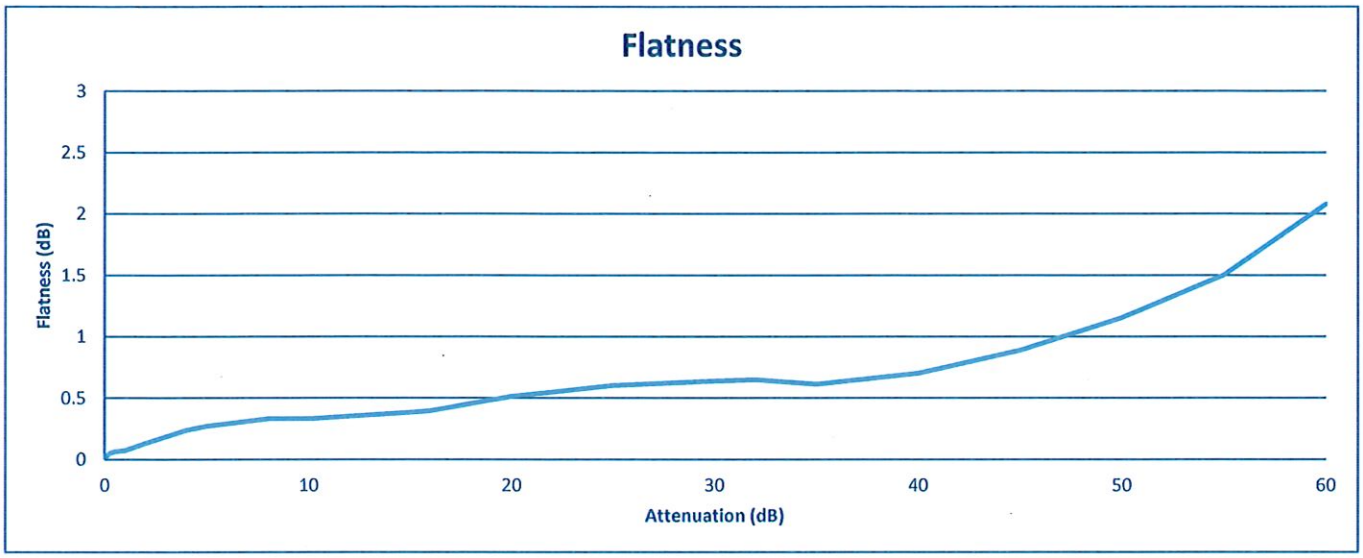


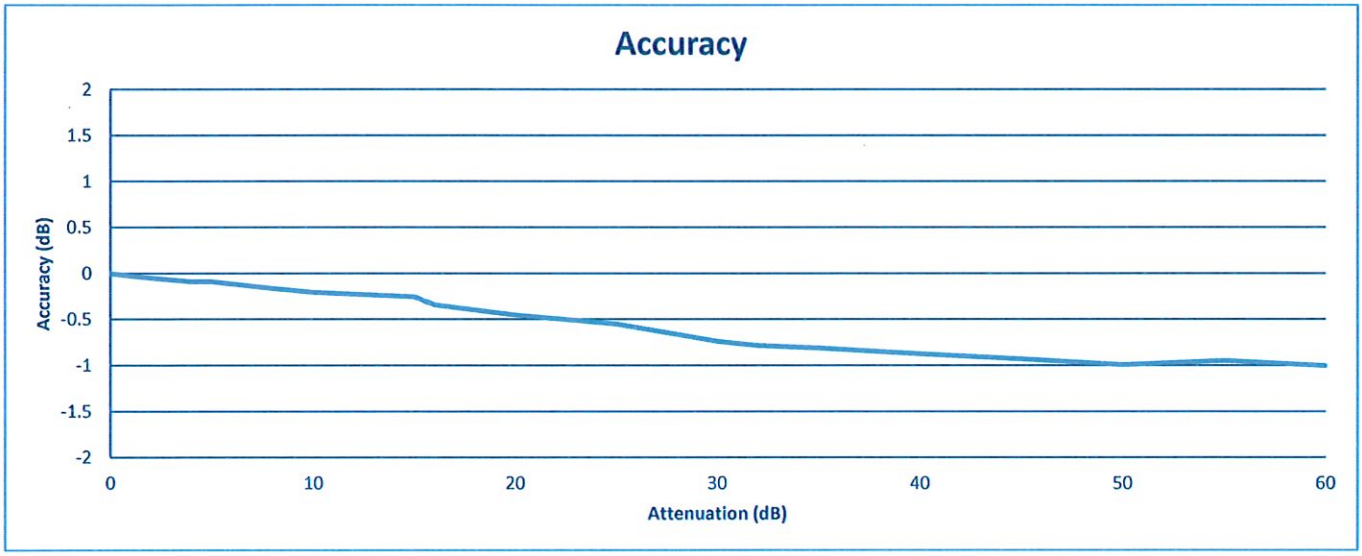
7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

Quantic™ PMI
PLANAR MONOLITHICS

PL39389/2304

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





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