Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-0R5G4G-60-CD-1-OPT12VDC

Customer: [redacted]
Job No: [redacted]
Model No: DTA-0R5G4G-60-CD-1-OPT12VDC
Serial No: PL50164/2446

Tested By: K. Mansfield
Temperature: +25°C
Date: Tuesday, November 12, 2024
Drawing No: 27629331 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA QC
1	Frequency Range:	0.5 GHz - 4 GHz	0.5 GHz - 4 GHz	PMI QA4
2	Insertion Loss:	2.7 dB Max.	2.4 dB See Graph	
3	VSWR:	1.8:1 Max.	1.5:1 See Graph	
4	Flatness up to 20dB:	± 0.5 dB Typ.	± 0.2 dB See Graph	
5	Flatness up to 40dB:	± 0.75 dB Typ.	± 0.63 dB See Ghaph	
6	Flatness up to 60dB:	± 1.0 dB Typ.	± 1.69 dB See Graph	
7	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	± 0.14 dB See Graph	
8	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	± 0.02 dB See Graph	
9	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	± 0.07 dB See Graph	
10	Switching Speed:	ON: 1.0 usec Max. OFF: 0.5 usec Max.	See Typical Characteristics	
11	DC Supply:	+12 V @ 150 mA Max. -12 V @ 80 mA Max.	+12 V @ 147 mA -12 V @ 0 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.06	0.07	-0.01	0.02
0.13	0.13	-0.01	0.03
0.25	0.25	0.00	0.04
0.50	0.49	0.01	0.05
1.00	0.99	0.01	0.06
2.00	1.99	0.01	0.05
4.00	3.99	0.01	0.03
8.00	8.00	0.00	0.07
16.00	16.00	0.00	0.16
32.00	32.01	-0.01	0.36
62.00	61.86	0.14	1.82
63.94	63.85	0.09	1.93

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.86	0.14	0.03
10.00	10.00	0.00	0.10
15.00	14.97	0.03	0.15
20.00	20.01	-0.01	0.20
25.00	24.98	0.02	0.24
30.00	30.02	-0.02	0.32
35.00	35.01	-0.01	0.45
40.00	40.01	-0.01	0.63
45.00	44.97	0.03	0.85
50.00	49.99	0.01	1.10
55.00	55.03	-0.03	1.41
60.00	59.93	0.07	1.69

QA/QC Approval: Cameron Kelly Date: 11/13/24

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

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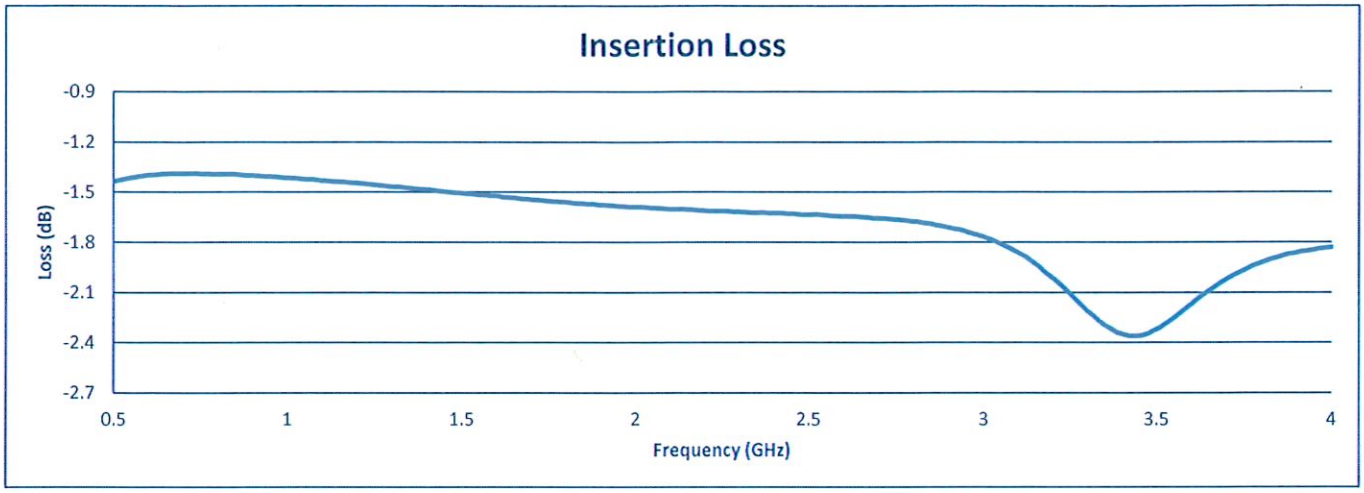
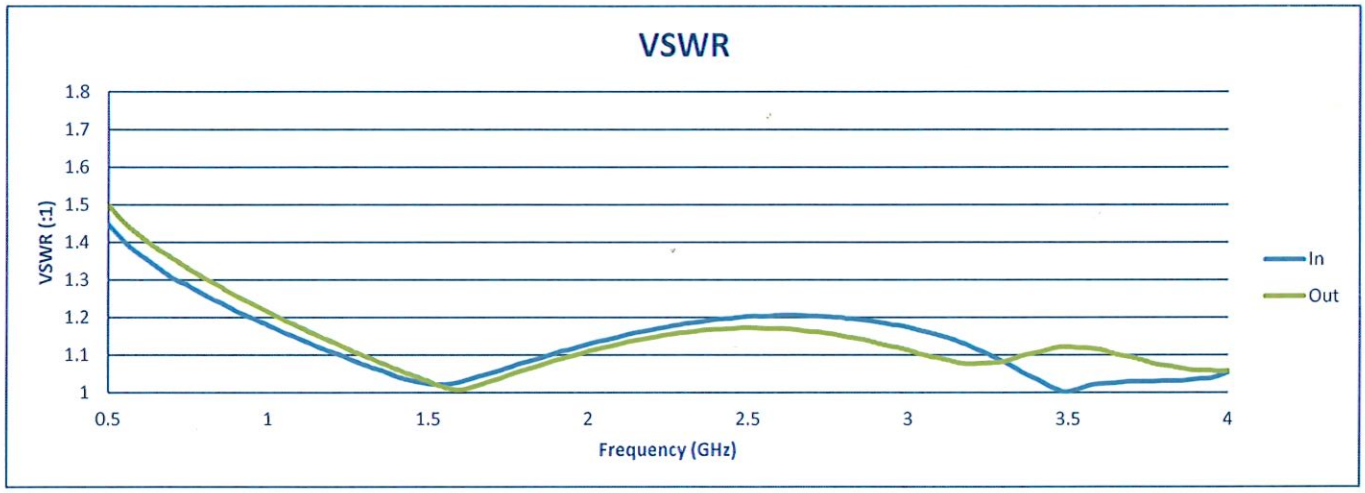
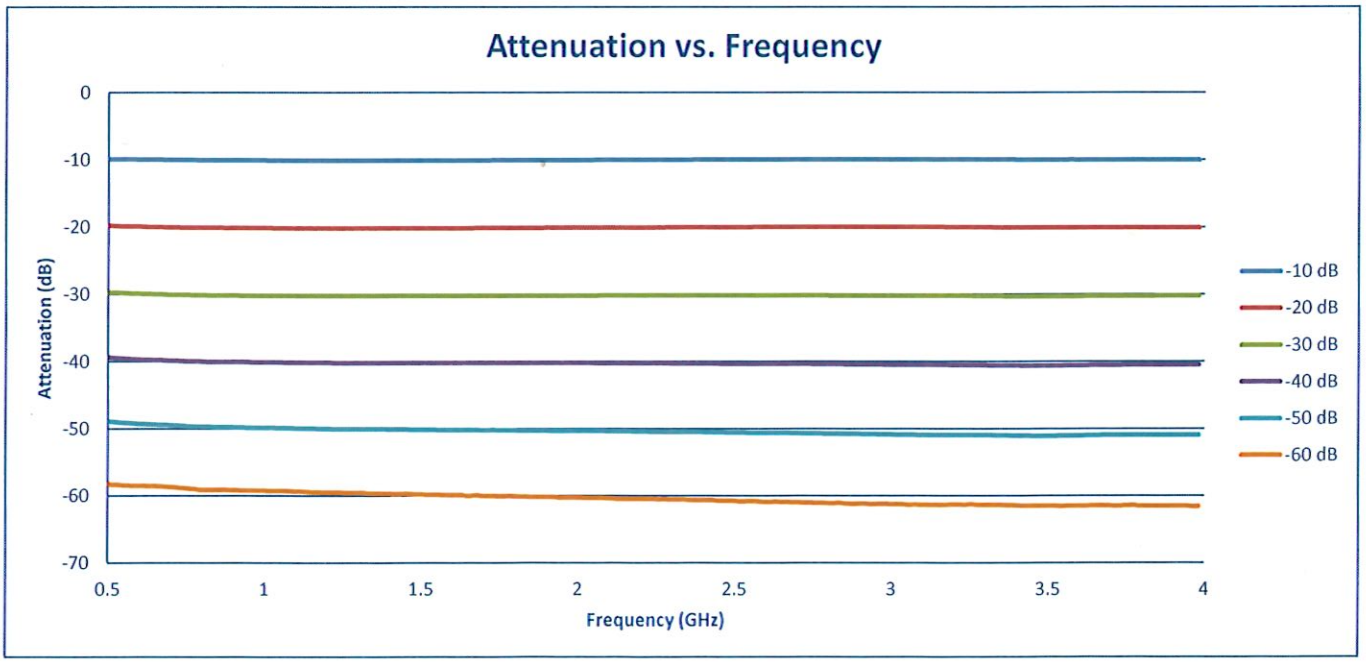
PL50164/2446

SUMMARY TEST DATA
ON
DTA-0R5G4G-60-CD-1-OPT12VDC







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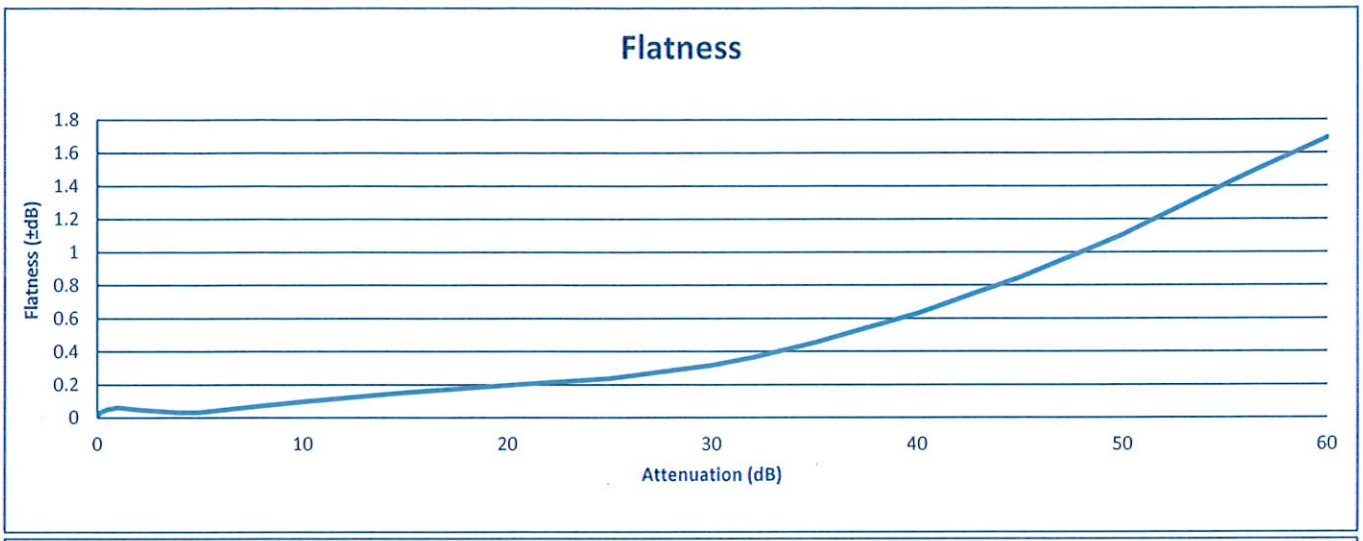

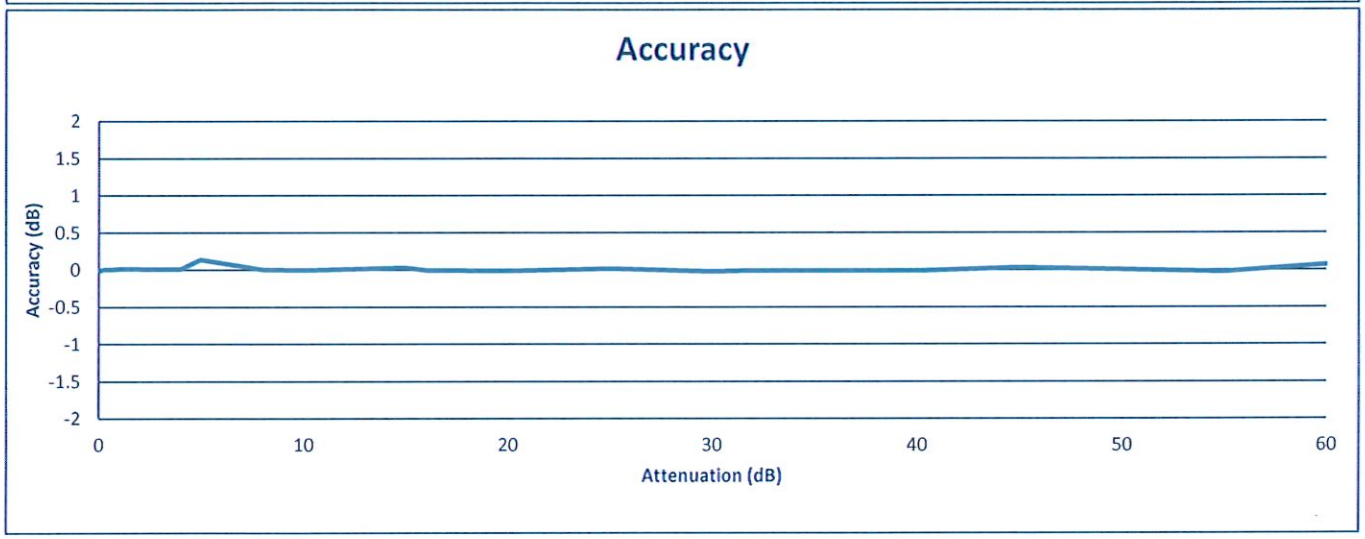

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