Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON DTA-100M40G-15DB-10BIT

Customer:
Job No:
Model No: DTA-100M40G-15DB-10BIT
Serial No: PL53116/2521

Tested By: J. Escano/M. Sharif
Date: Tuesday, May 27, 2025
Temperature: +25° C
Drawing No: 27649240 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	100 MHz to 40 GHz	100 MHz to 40 GHz	PMI QA4
2	Mean Attenuation Range:	16 dB	15.7 dB	
3	Insertion Loss:	3.0 dB Typ. (up to 20 GHz) 6.0 dB Typ. (up to 40 GHz)	3.15 dB (up to 20 GHz) 4.75 dB (up to 40 GHz) See Plot	
4	VSWR:	2.5:1 Typ.	1.96:1 See Plot	
5	Accuracy of Attenuation 0 to 8 dB:	± 2.5 dB Typ.	±0.17 dB See Plot	
6	Accuracy of Attenuation 8 to 16 dB:	± 2.5 dB Typ.	±0.31 dB See Plot	
7	Minimum Attenuation Step:	0.015625 dB	0.010711 dB	
8	Switching Time:	1.0 µs Max. On 0.5 µs Max. Off	See Typical Characteristics	
9	Power Supply:	+15 V @ 50 mA Max.	40 mA	PMI QA4

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.015625	0.010711	0.004914	0.01
0.03125	0.02613	0.00512	0.01
0.0625	0.0628	-0.0003	0.03
0.125	0.123	0.002	0.04
0.25	0.24	0.01	0.07
0.50	0.51	-0.01	0.12
1.00	1.00	0.00	0.14
2.00	1.98	0.02	0.21
4.00	3.90	0.17	0.37
8.00	7.83	0.17	0.63

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
2.50	2.48	0.02	0.23
5.00	4.87	0.13	0.47
7.50	7.33	0.17	0.61
10.00	9.87	0.13	0.67
12.50	12.30	0.20	0.88
15.00	14.70	0.30	1.10
15.984375	15.677968	0.306407	1.12

QA/QC Approval: Cameron Veley
Date: 6/6/25

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

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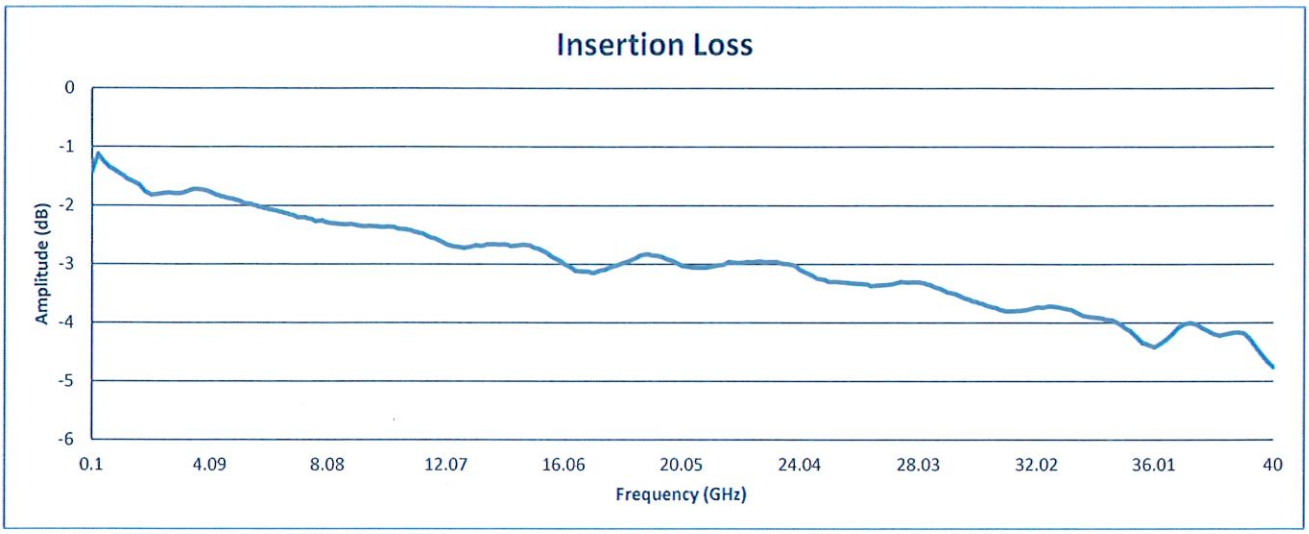

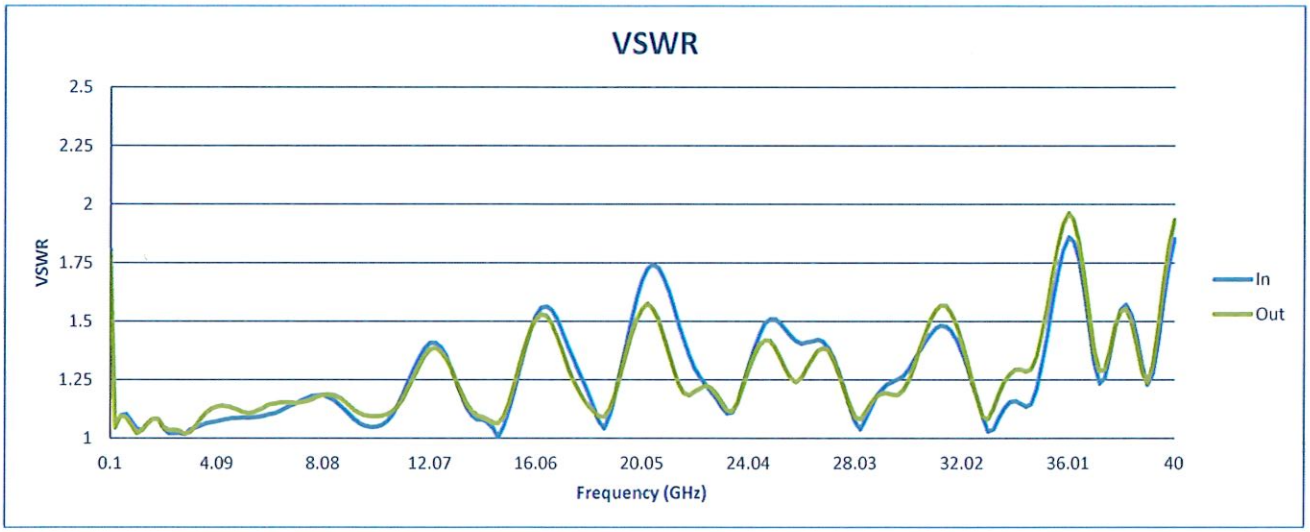

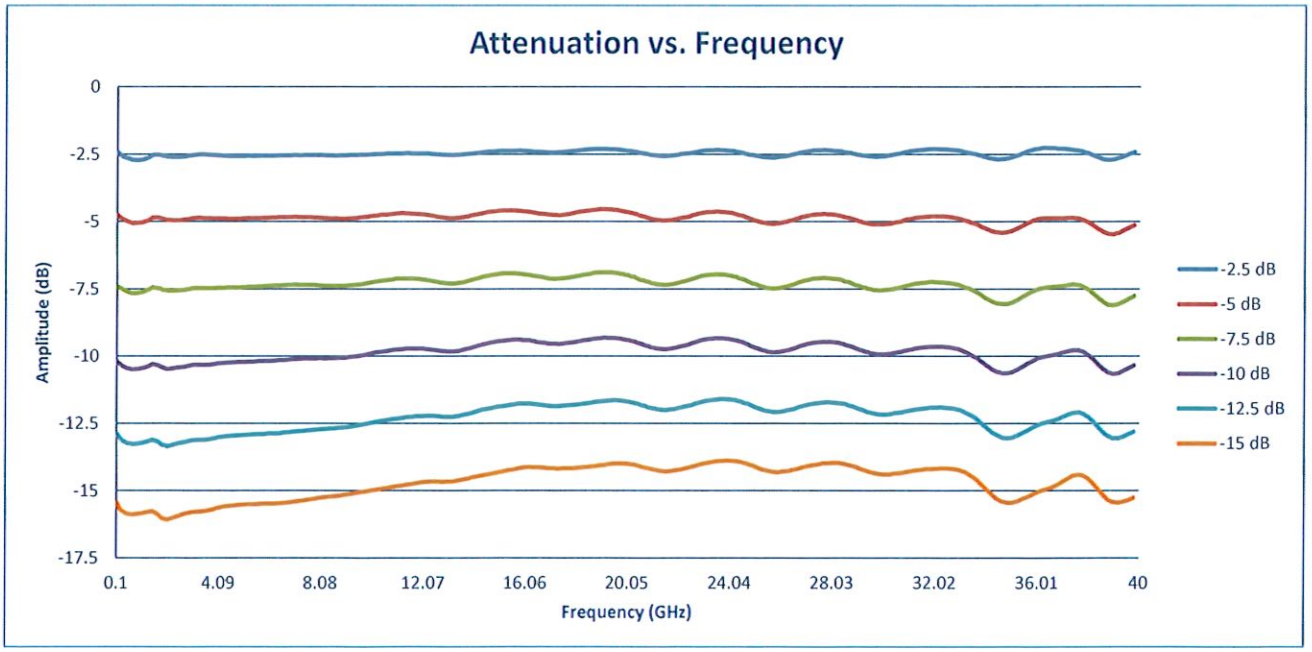

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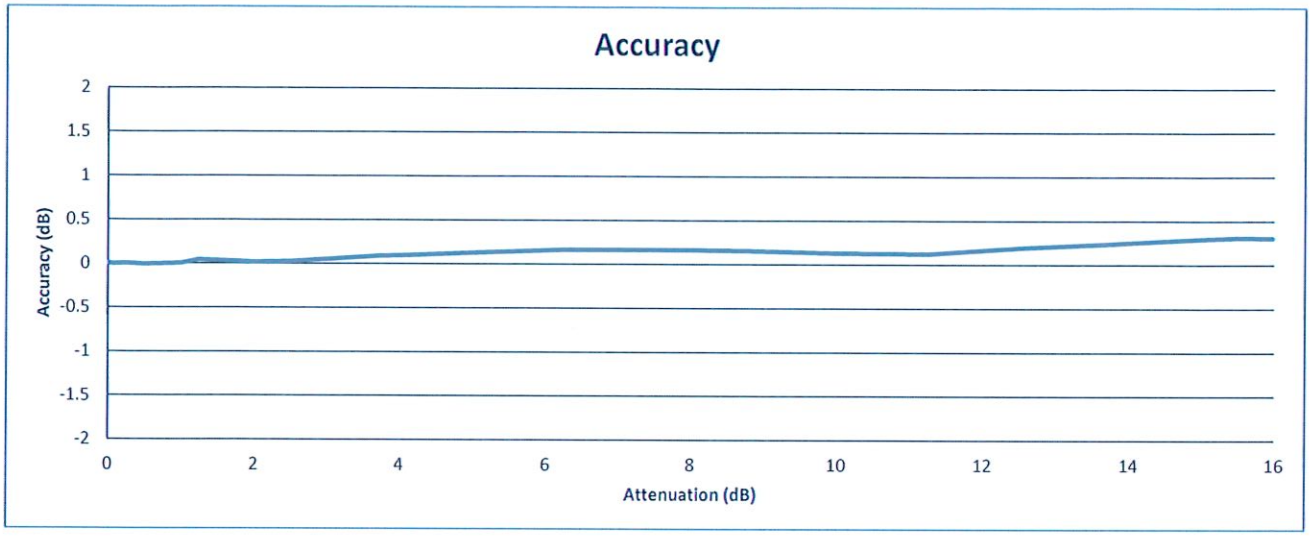

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