Quantic PMI
PLANAR MONOLITHICS

Summary Test Data On PDVAN-8018-120-8

Customer: ,
Job No:
Model No: PDVAN-8018-120-8
Serial No: PL42035/2336

Tested By: K. Mansfield
Date: Tuesday, September 5, 2023
Temperature: +25C
Drawing No: 27641560 Rev: A1

Test Item No:	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range:	8 GHz to 18 GHz	8 GHz to 18 GHz	PMI QA2
2	Insertion Loss:	8.5 dB MAX	7.67 dB See Plot	
3	VSWR:	2.0:1 MAX at 0 dB Attenuation	IN: 1.77:1 OUT: 1.77:1 See Plot	
4	Flatness to 10 dB:	±0.8 dB	±0.42 dB See Plot	
5	Flatness to 20 dB:	±1.1 dB	±0.49 dB See Plot	
6	Flatness to 40 dB:	±1.5 dB	±0.56 dB See Plot	
7	Flatness to 60 dB:	±1.6 dB	±0.71 dB See Plot	
8	Flatness to 80 dB:	±2.5 dB	±1.03 dB See Plot	
9	Flatness to 100 dB:	±3.2 dB	±2.5 dB See Plot	
10	Accuracy of Attenuation: 0 to 50 dB	±1.0 dB	±0.36 dB See Plot	
11	Accuracy of Attenuation: 50 to 60 dB	±1.5 dB	±0.17 dB See Plot	
12	Accuracy of Attenuation: 60 to 80 dB	±2.0 dB	±0.1 dB See Plot	
13	Accuracy of Attenuation: 80 to 120 dB	±2.5 dB	±2.32 dB See Plot	
14	Switching Speed:	3 usec MAX	See Typical Characteristics	
15	DC Supply:	+5.3 to +6 V Max @ 700 mA Max	587 mA	PMI QA2

Programmed Attenuation	Measured Average	Accuracy	Flatness (±)
0.5	0.52	0.02	0.03
1	1.02	0.02	0.05
2	2.03	0.03	0.11
4	3.99	-0.01	0.21
8	7.97	-0.03	0.37
16	16.05	0.05	0.48
32	32.36	0.36	0.54
64	64.09	0.09	0.81
100	99.60	-0.40	2.50
120	117.68	-2.32	15.44

Programmed Attenuation	Measured Average	Accuracy	Flatness (±)
10	9.93	-0.07	0.42
20	20.13	0.13	0.49
30	30.18	0.18	0.54
40	40.30	0.30	0.56
50	50.17	0.17	0.67
60	60.10	0.10	0.71
70	70.03	0.03	0.76
80	80.06	0.06	1.03
90	89.70	-0.30	2.21
110	109.61	-0.39	11.84

QA/QC Approval: PMI QA2 Date: 9/6/2023

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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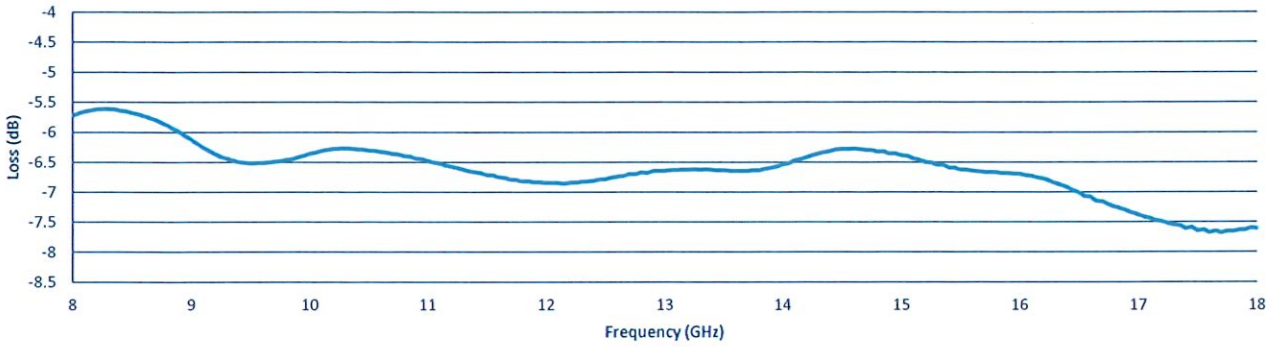
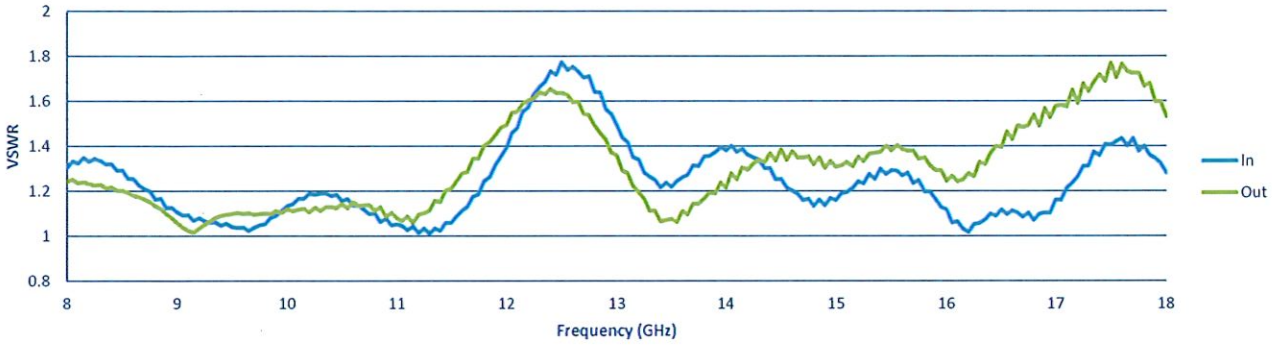
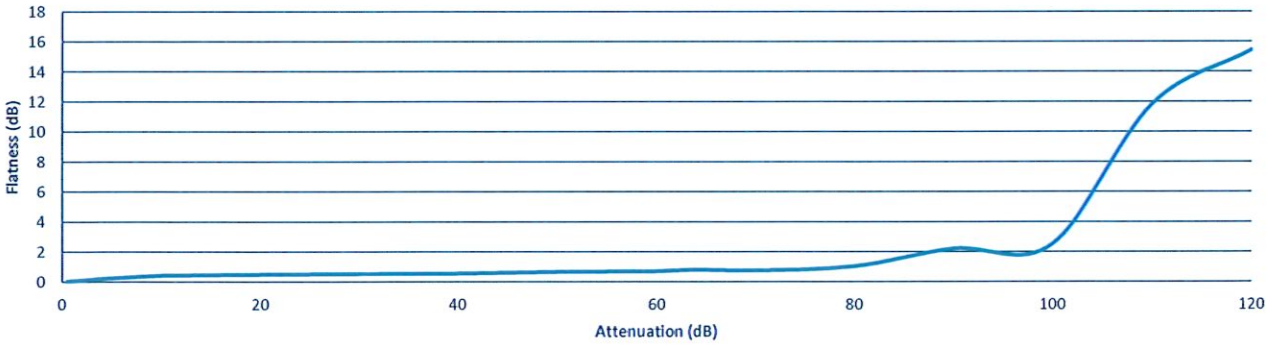
Insertion Loss



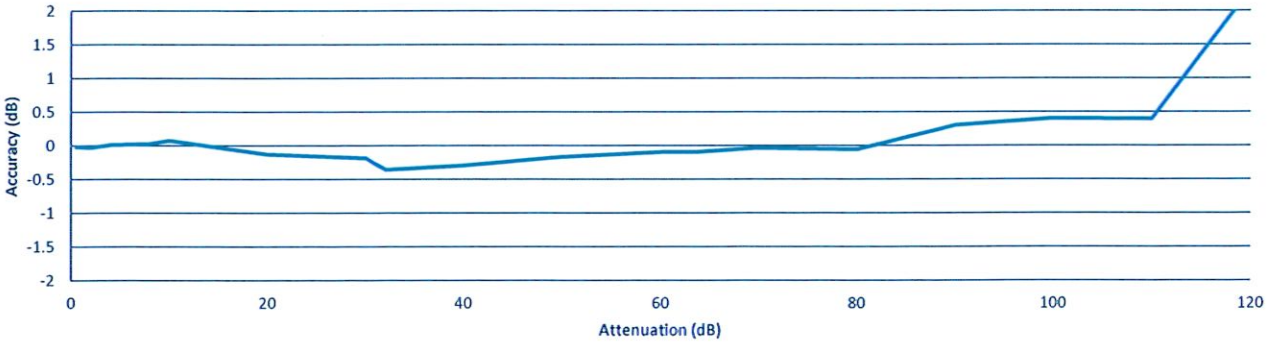
VSWR



Flatness



Accuracy



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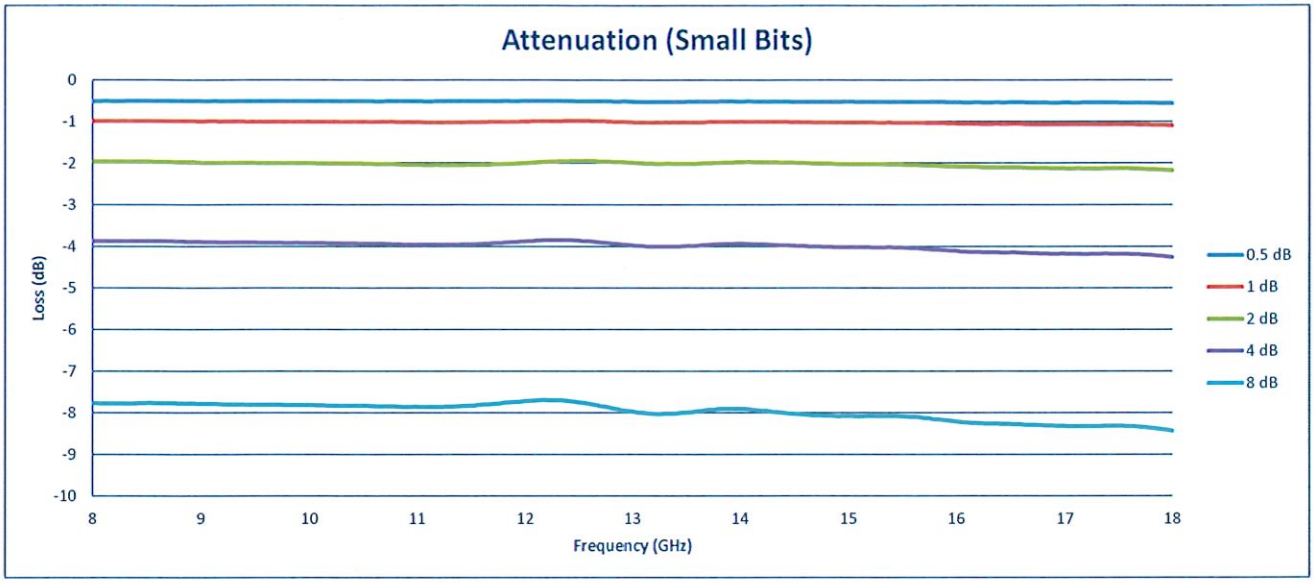

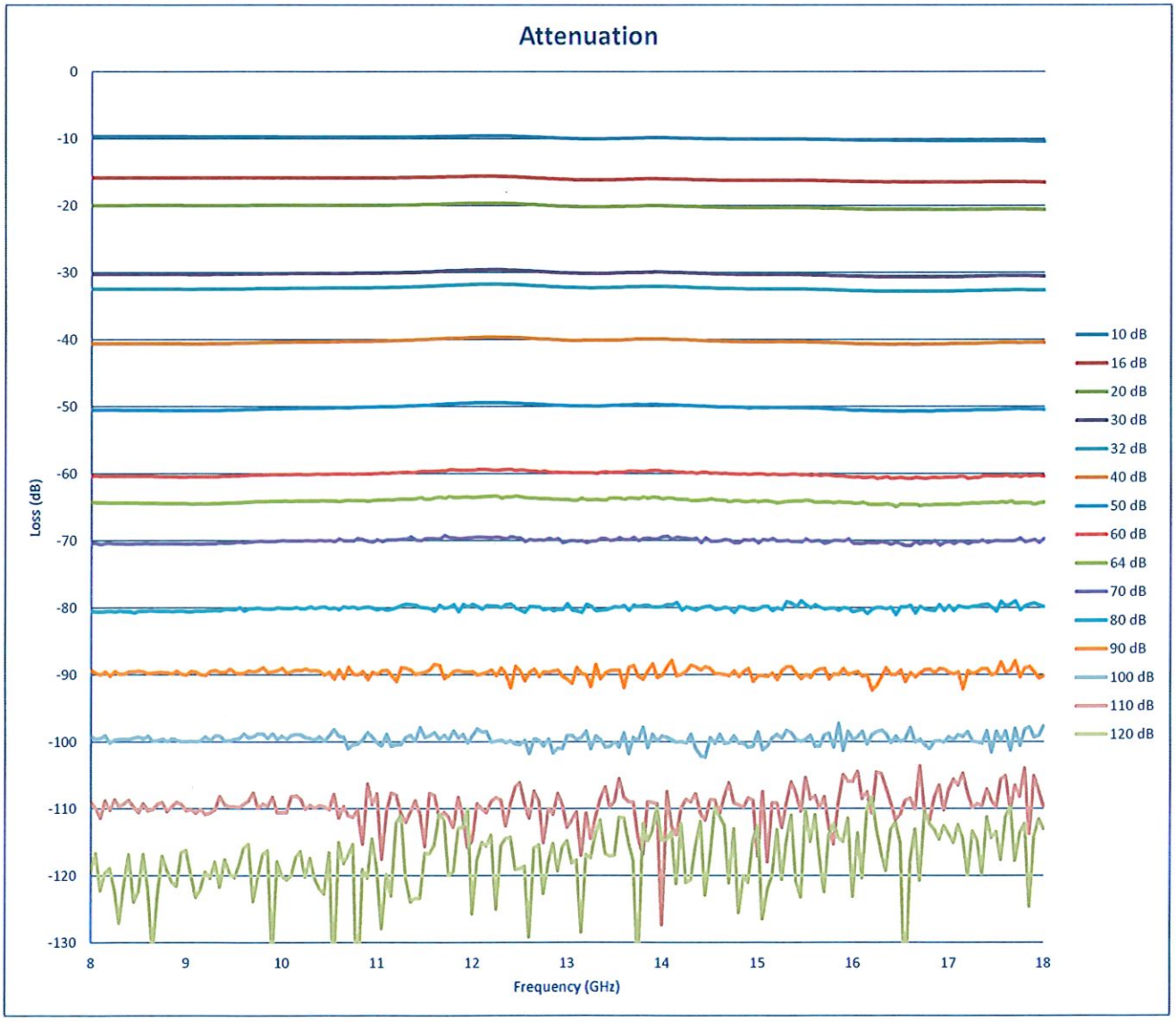

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