SUMMARY TEST DATA
ON
PDVAT-0518-60-8-96

Customer:
Job No:
Model No: PDVAT-0518-60-8-96
Serial No: PL30527/2043

Tested By: K. Mansfield
Date: Friday, October 23, 2020
Temperature: +25° C
Drawing No: 27621723 **Rev:** A2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA 2
2	Insertion Loss:	4.0 dB Max.	2.5 dB See Plot	
3	Return Loss:	-12 dB Typ. -8.5 dB Max.	-12.2 dB See Plot	
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.92 dB See Plot	
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.46 dB See Plot	
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.66 dB See Plot	
7	Flatness @ 60 dB:	±5.0 dB Typ.	±5.58 dB See Plot	
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±1.73 dB See Plot	
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±2.45 dB See Plot	
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±2.45 dB See Plot	
11	Switching Speed:	1.5 us Max.	< 1.5 us See Typical Characteristics	
12	DC Supply:	+15 VDC @ 150 mA	140 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	-0.33	-0.08	0.02
0.50	-0.63	-0.13	0.04
1.00	-1.22	-0.22	0.08
2.00	-2.33	-0.33	0.16
4.00	-4.36	-0.36	0.36
8.00	-8.37	-0.37	0.79
16.00	-16.77	-0.77	0.49
32.00	-33.83	-1.83	0.80
63.75	-66.34		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.37	-0.37	0.49
10.00	-10.39	-0.39	0.92
15.00	-15.61	-0.61	0.54
20.00	-21.09	-1.09	0.46
25.00	-26.43	-1.43	0.54
30.00	-31.73	-1.73	0.70
35.00	-36.91	-1.91	1.04
40.00	-42.23	-2.23	1.66
45.00	-47.37	-2.37	2.25
50.00	-52.45	-2.45	3.36
55.00	-57.35	-2.35	4.49
60.00	-62.16	-2.16	5.58

QA/QC Approval: PMI QA 2 Date: 10.26.2020

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
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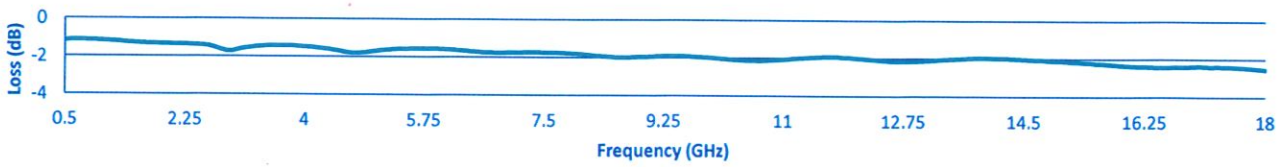
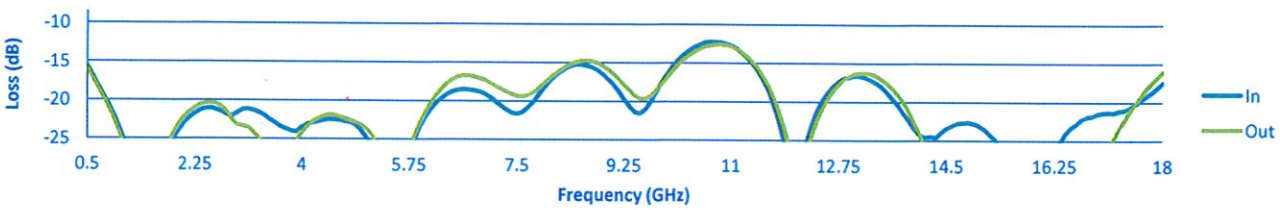
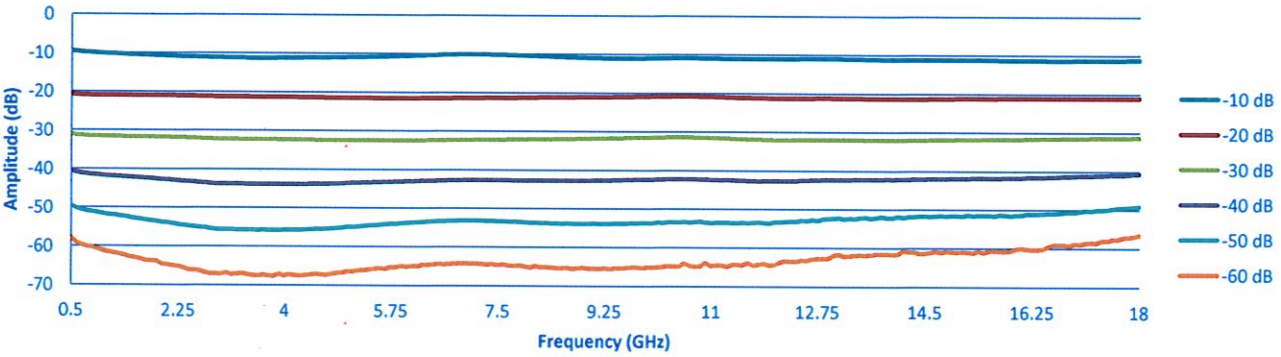
Insertion Loss



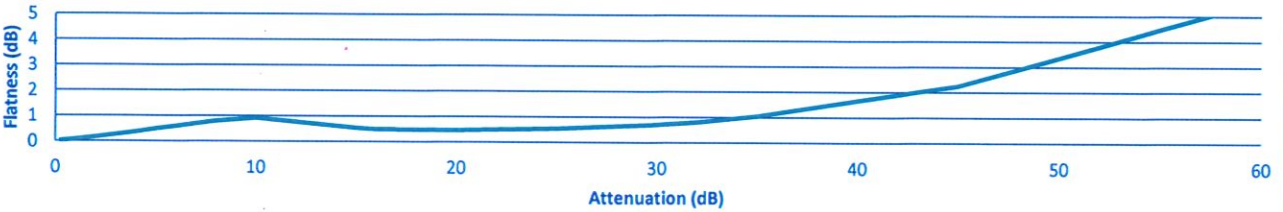
Return Loss



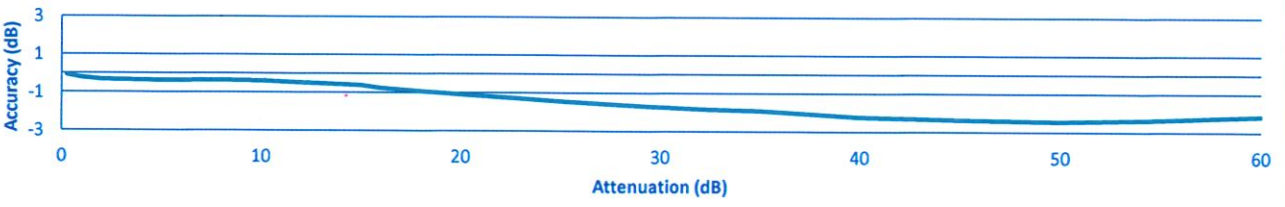
Attenuation vs. Frequency



Flatness



Accuracy



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