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

Customer:
Job No:
Model No: PDVAT-0518-60-8-96
Serial No: PL30515/2043

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.	2.9 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.	±0.82 dB See Plot	
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.4 dB See Plot	
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.42 dB See Plot	
7	Flatness @ 60 dB:	±5.0 dB Typ.	±4.31 dB See Plot	
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.22 dB See Plot	
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±0.29 dB See Plot	
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±0.35 dB See Plot	
11	Switching Speed:	1.5 us Max.	< 1.5 us See Typical Characteristics	
12	DC Supply:	+15 VDC @ 150 mA	142 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	-0.25	0.00	0.01
0.50	-0.50	0.00	0.03
1.00	-1.02	-0.02	0.06
2.00	-2.03	-0.03	0.13
4.00	-4.00	0.00	0.29
8.00	-7.97	0.03	0.69
16.00	-16.00	0.00	0.43
32.00	-32.21	-0.21	0.69
63.75	-64.47		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.00	0.00	0.41
10.00	-9.99	0.01	0.82
15.00	-14.88	0.12	0.44
20.00	-20.08	-0.08	0.40
25.00	-25.13	-0.13	0.48
30.00	-30.22	-0.22	0.62
35.00	-35.12	-0.12	0.83
40.00	-40.22	-0.22	1.42
45.00	-45.19	-0.19	1.89
50.00	-50.29	-0.29	2.76
55.00	-55.35	-0.35	3.57
60.00	-60.27	-0.27	4.31

QA/QC Approval: PMI QA 2 **Date:** 10.28.2020

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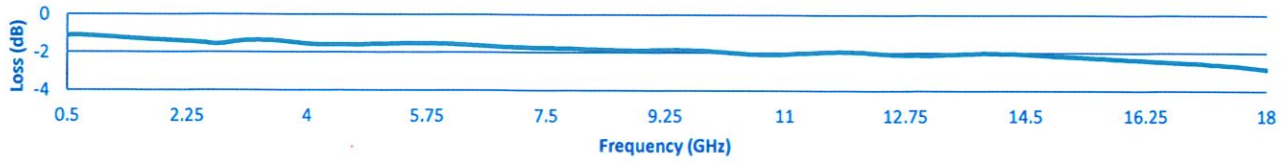
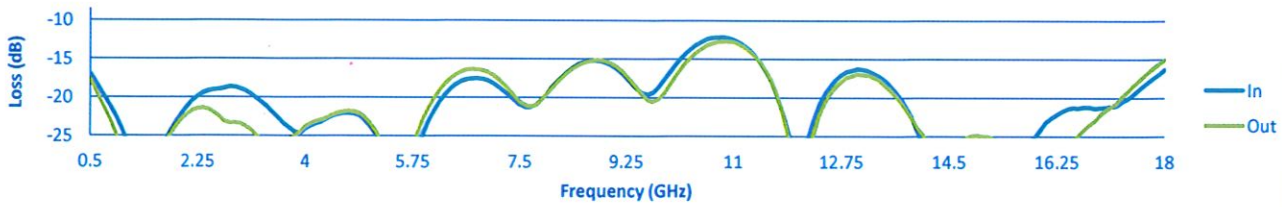
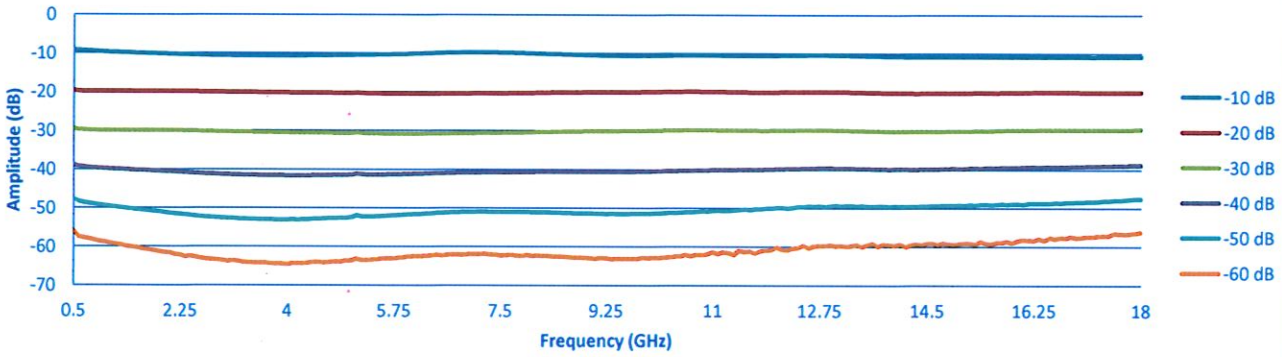
Insertion Loss



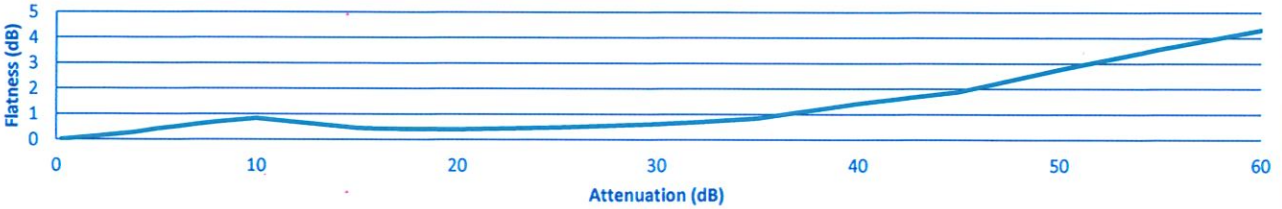
Return Loss



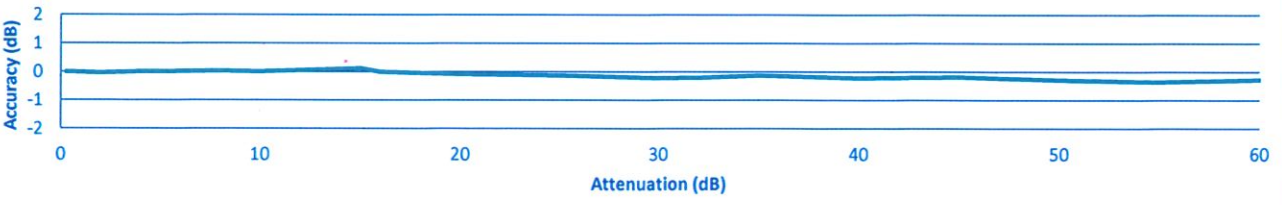
Attenuation vs. Frequency



Flatness



Accuracy



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