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

Customer:
Job No:
Model No: PDVAT-0518-60-8-96
Serial No: PL30545/2044

Tested By: K. Mansfield
Date: Tuesday, October 27, 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.	2.8 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.	±0.49 dB See Plot	
6	Flatness @ 40 dB:	±3.0 dB Typ.	±2.12 dB See Plot	
7	Flatness @ 60 dB:	±5.0 dB Typ.	±5.13 dB See Plot	
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.6 dB See Plot	
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±0.6 dB See Plot	
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±1.26 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	-0.36	-0.11	0.02
0.50	-0.67	-0.17	0.04
1.00	-1.29	-0.29	0.07
2.00	-2.43	-0.43	0.15
4.00	-4.49	-0.49	0.33
8.00	-8.51	-0.51	0.74
16.00	-16.60	-0.60	0.56
32.00	-32.23	-0.23	1.00
63.75	-62.52		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.51	-0.51	0.44
10.00	-10.58	-0.58	0.92
15.00	-15.53	-0.53	0.61
20.00	-20.53	-0.53	0.49
25.00	-25.43	-0.43	0.60
30.00	-30.30	-0.30	0.88
35.00	-35.06	-0.06	1.31
40.00	-39.86	0.14	2.12
45.00	-44.59	0.41	2.65
50.00	-49.40	0.60	3.64
55.00	-54.04	0.96	4.51
60.00	-58.74	1.26	5.13

QA/QC Approval: PMI QA 2 Date: 10.29.2020

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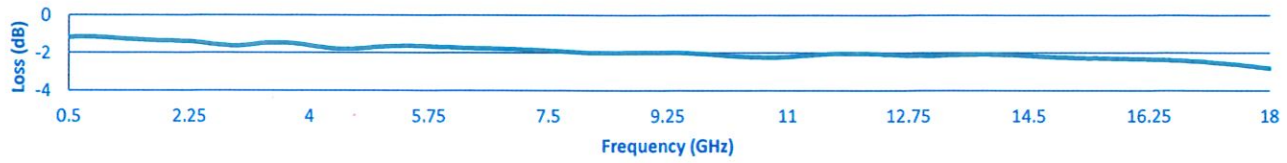
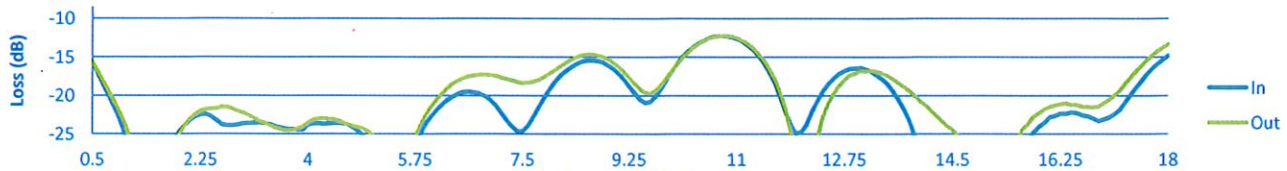
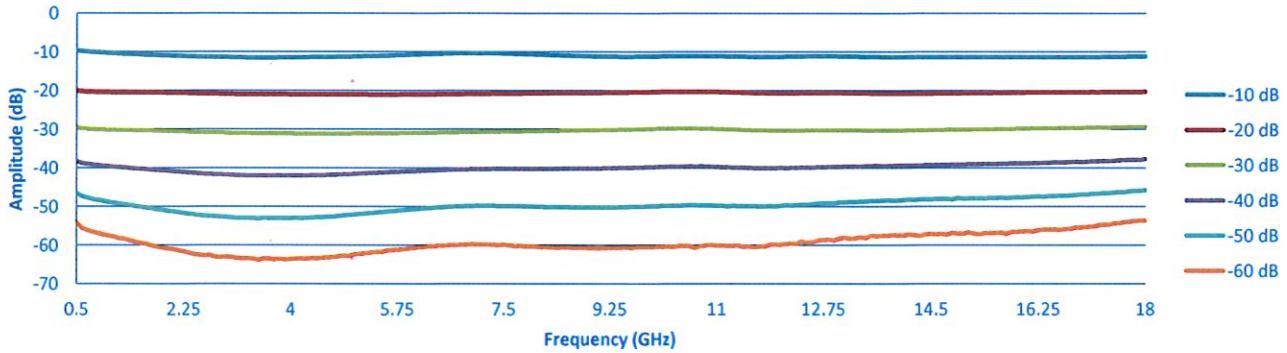
Insertion Loss



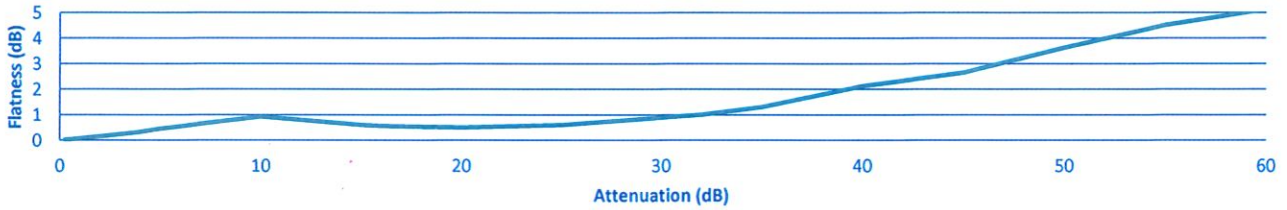
Return Loss



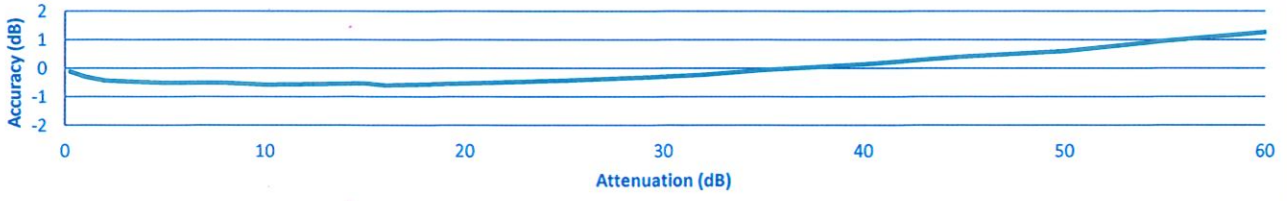
Attenuation vs. Frequency



Flatness



Accuracy



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