



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

Customer: _____
 Job No: _____
 Model No: PDVAT-0518-60-8-96
 Serial No: PL30544/2044

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.	2.7 dB See Plot		
3	Return Loss:	-12 dB Typ. -8.5 dB Max.	-11.5 dB See Plot		
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.76 dB See Plot		
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.37 dB See Plot		
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.46 dB See Plot		
7	Flatness @ 60 dB:	±5.0 dB Typ.	±4.33 dB See Plot		
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.37 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.	±0.29 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	0.02
0.50	-0.49	0.01	0.02
1.00	-0.97	0.03	0.05
2.00	-1.94	0.06	0.11
4.00	-3.83	0.17	0.26
8.00	-7.74	0.26	0.62
16.00	-15.73	0.27	0.40
32.00	-31.75	0.25	0.68
63.75	-63.86		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-4.82	0.18	0.34
10.00	-9.75	0.25	0.76
15.00	-14.63	0.37	0.43
20.00	-19.76	0.24	0.37
25.00	-24.76	0.24	0.45
30.00	-29.78	0.22	0.61
35.00	-34.71	0.29	0.91
40.00	-39.77	0.23	1.46
45.00	-44.71	0.29	1.97
50.00	-49.86	0.14	2.79
55.00	-54.74	0.26	3.57
60.00	-59.71	0.29	4.33

QA/QC Approval: [Signature] [Signature] PMI QA 2 [Signature] Date: 10-28-2020

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