



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: PDVAT-0518-60-8-96  
 Serial No: PL30522/2043

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.	2.6 dB See Plot		
3	Return Loss:	-12 dB Typ. -8.5 dB Max.	-12.4 dB See Plot		
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.87 dB See Plot		
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.45 dB See Plot		
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.86 dB See Plot		
7	Flatness @ 60 dB:	±5.0 dB Typ.	±5.11 dB See Plot		
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.49 dB See Plot		
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±0.49 dB See Plot		
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±0.28 dB See Plot		
11	Switching Speed:	1.5 us Max.	< 1.5 us See Typical Characteristics		
12	DC Supply:	+15 VDC @ 150 mA	144 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	-0.62	-0.12	0.04
1.00	-1.20	-0.20	0.08
2.00	-2.28	-0.28	0.16
4.00	-4.28	-0.28	0.33
8.00	-8.18	-0.18	0.73
16.00	-16.26	-0.26	0.49
32.00	-32.48	-0.48	0.83
63.75	-63.68		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.27	-0.27	0.45
10.00	-10.17	-0.17	0.87
15.00	-15.15	-0.15	0.53
20.00	-20.37	-0.37	0.45
25.00	-25.44	-0.44	0.55
30.00	-30.49	-0.49	0.74
35.00	-35.45	-0.45	1.11
40.00	-40.40	-0.40	1.86
45.00	-45.37	-0.37	2.39
50.00	-50.28	-0.28	3.45
55.00	-55.16	-0.16	4.27
60.00	-59.77	0.23	5.11

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



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