



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: PDVAT-0518-60-8-96  
 Serial No: PL30525/2043

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.	±0.88 dB See Plot		
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.46 dB See Plot		
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.57 dB See Plot		
7	Flatness @ 60 dB:	±5.0 dB Typ.	±4.5 dB See Plot		
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.16 dB See Plot		
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±0.15 dB See Plot		
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±0.42 dB See Plot		
11	Switching Speed:	1.5 us Max.	< 1.5 us See Typical Characteristics		
12	DC Supply:	+15 VDC @ 150 mA	139 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	-0.26	-0.01	0.02
0.50	-0.51	-0.01	0.03
1.00	-1.04	-0.04	0.06
2.00	-2.06	-0.06	0.13
4.00	-4.02	-0.02	0.31
8.00	-7.98	0.02	0.74
16.00	-15.93	0.07	0.47
32.00	-31.95	0.05	0.77
63.75	-63.48		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.01	-0.01	0.43
10.00	-9.98	0.02	0.88
15.00	-14.84	0.16	0.51
20.00	-19.98	0.02	0.46
25.00	-25.00	0.00	0.55
30.00	-29.99	0.01	0.69
35.00	-34.90	0.10	1.00
40.00	-39.96	0.04	1.57
45.00	-44.85	0.15	2.08
50.00	-49.89	0.11	2.93
55.00	-54.80	0.20	3.81
60.00	-59.58	0.42	4.50

QA/QC Approval:  PMI QA 2  Date: 10.28.2020



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