



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: PDVAT-0518-60-8-96  
 Serial No: PL30546/2044

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.	-11.1 dB See Plot		
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.9 dB See Plot		
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.43 dB See Plot		
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.8 dB See Plot		
7	Flatness @ 60 dB:	±5.0 dB Typ.	±5.07 dB See Plot		
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.35 dB See Plot		
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±0.32 dB See Plot		
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±0.6 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	-0.33	-0.08	0.02
0.50	-0.63	-0.13	0.04
1.00	-1.21	-0.21	0.08
2.00	-2.29	-0.29	0.16
4.00	-4.28	-0.28	0.35
8.00	-8.22	-0.22	0.77
16.00	-16.25	-0.25	0.46
32.00	-32.30	-0.30	0.87
63.75	-63.23		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.28	-0.28	0.48
10.00	-10.21	-0.21	0.90
15.00	-15.15	-0.15	0.51
20.00	-20.34	-0.34	0.43
25.00	-25.35	-0.35	0.59
30.00	-30.32	-0.32	0.81
35.00	-35.23	-0.23	1.13
40.00	-40.18	-0.18	1.80
45.00	-45.13	-0.13	2.29
50.00	-49.95	0.05	3.34
55.00	-54.72	0.28	4.26
60.00	-59.40	0.60	5.07

QA/QC Approval: [Signature] [Signature] PMI QA 2 [Signature] Date: 10-26-2020



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