



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

Customer: _____
 Job No: _____
 Model No: PDVAT-0518-60-8-96
 Serial No: PL30517/2043

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.	2.8 dB See Plot	
3	Return Loss:	-12 dB Typ. -8.5 dB Max.	-11.6 dB See Plot	
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.86 dB See Plot	
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.46 dB See Plot	
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.89 dB See Plot	
7	Flatness @ 60 dB:	±5.0 dB Typ.	±5.25 dB See Plot	
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±1.22 dB See Plot	
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±0.9 dB See Plot	
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±0.84 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	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	-0.32	-0.07	0.02
0.50	-0.60	-0.10	0.03
1.00	-1.16	-0.16	0.07
2.00	-2.24	-0.24	0.14
4.00	-5.22	-1.22	0.43
8.00	-8.17	-0.17	0.72
16.00	-16.37	-0.37	0.51
32.00	-32.80	-0.80	0.93
63.75	-63.95		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.22	-0.22	0.43
10.00	-10.18	-0.18	0.86
15.00	-15.24	-0.24	0.54
20.00	-20.50	-0.50	0.46
25.00	-25.61	-0.61	0.58
30.00	-30.77	-0.77	0.83
35.00	-35.78	-0.78	1.20
40.00	-40.85	-0.85	1.89
45.00	-45.90	-0.90	2.44
50.00	-50.84	-0.84	3.55
55.00	-55.62	-0.62	4.39
60.00	-60.42	-0.42	5.25

QA/QC Approval:  PMI QA 2 

Date: 10.23.2020



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