



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

Customer: _____
 Job No: _____
 Model No: PDVAT-0518-60-8-96
 Serial No: PL30548/2044

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.	2.5 dB See Plot		
3	Return Loss:	-12 dB Typ. -8.5 dB Max.	-10.5 dB See Plot		
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.91 dB See Plot		
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.43 dB See Plot		
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.55 dB See Plot		
7	Flatness @ 60 dB:	±5.0 dB Typ.	±4.44 dB See Plot		
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.65 dB See Plot		
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±1.15 dB See Plot		
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±1.41 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		PMI QA 2

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	-1.17	-0.17	0.07
2.00	-2.24	-0.24	0.15
4.00	-4.21	-0.21	0.33
8.00	-8.16	-0.16	0.76
16.00	-16.25	-0.25	0.46
32.00	-32.67	-0.67	0.76
63.75	-66.09		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.21	-0.21	0.45
10.00	-10.17	-0.17	0.91
15.00	-15.13	-0.13	0.49
20.00	-20.38	-0.38	0.43
25.00	-25.52	-0.52	0.51
30.00	-30.65	-0.65	0.67
35.00	-35.71	-0.71	0.99
40.00	-40.86	-0.86	1.55
45.00	-45.90	-0.90	2.08
50.00	-51.15	-1.15	2.94
55.00	-56.25	-1.25	3.75
60.00	-61.41	-1.41	4.44

QA/QC Approval:   PMI QA 2  Date: 10.28.2020



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