



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

Customer:

Tested By: K. Mansfield

Job No:

Date: Friday, October 23, 2020

Model No: PDVAT-0518-60-8-96

Temperature: +25° C

Serial No: PL30531/2043

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.	-12.1 dB See Plot		
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.93 dB See Plot		
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.46 dB See Plot		
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.62 dB See Plot		
7	Flatness @ 60 dB:	±5.0 dB Typ.	±5.28 dB See Plot		
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±1.06 dB See Plot		
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±1.75 dB See Plot		
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±1.75 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	-0.31	-0.06	0.02
0.50	-0.59	-0.09	0.04
1.00	-1.17	-0.17	0.08
2.00	-2.26	-0.26	0.16
4.00	-4.26	-0.26	0.36
8.00	-8.22	-0.22	0.79
16.00	-16.38	-0.38	0.49
32.00	-33.09	-1.09	0.78
63.75	-65.41		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	-5.26	-0.26	0.48
10.00	-10.23	-0.23	0.93
15.00	-15.25	-0.25	0.53
20.00	-20.63	-0.63	0.46
25.00	-25.86	-0.86	0.55
30.00	-31.06	-1.06	0.71
35.00	-36.17	-1.17	1.02
40.00	-41.36	-1.36	1.62
45.00	-46.51	-1.51	2.19
50.00	-51.75	-1.75	3.09
55.00	-56.73	-1.73	4.06
60.00	-61.44	-1.44	5.28

QA/QC Approval:  PMI QA 2 

Date: 10.28.2020



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