



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

Customer:
Job No:
Model No: PDVAT-0518-60-8-96
Serial No: PL26693/1940

Tested By: K. Mansfield
Date: Friday, October 04, 2019
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 QA1	
2	Insertion Loss:	4.0 dB Max.	2.6 dB See Plot		
3	Return Loss:	-12 dB Typ. -8.5 dB Max.	-11.5 dB See Plot		
4	Flatness @ 10 dB:	±0.9 dB Typ.	±0.34 dB See Plot		
5	Flatness @ 20 dB:	±1.5 dB Typ.	±0.43 dB See Plot		
6	Flatness @ 40 dB:	±3.0 dB Typ.	±1.39 dB See Plot		
7	Flatness @ 60 dB:	±5.0 dB Typ.	±4.67 dB See Plot		
8	Accuracy of Attenuation 0 to 30 dB:	±1.0 dB Typ.	±0.11 dB See Plot		
9	Accuracy of Attenuation 30 to 50 dB:	±1.3 dB Typ.	±0.46 dB See Plot		
10	Accuracy of Attenuation 50 to 60 dB:	±1.5 dB Typ.	±0.18 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 QA1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.23	0.02	0.02
0.50	0.49	0.01	0.04
1.00	0.99	0.01	0.08
2.00	2.00	0.00	0.18
4.00	4.01	-0.01	0.38
8.00	8.00	0.00	0.46
16.00	15.96	0.04	0.29
32.00	31.88	0.12	0.86
63.75	64.36		

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.98	0.02	0.44
10.00	10.00	0.00	0.34
15.00	14.93	0.07	0.26
20.00	19.95	0.05	0.43
25.00	24.89	0.11	0.61
30.00	29.91	0.09	0.78
35.00	34.74	0.26	1.01
40.00	39.78	0.22	1.39
45.00	44.54	0.46	1.68
50.00	49.83	0.17	2.04
55.00	54.85	0.15	2.81
60.00	59.82	0.18	4.67

QA/QC Approval:  PMI QA1

Date: 10/4/19



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

PL26693/1940

