



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

Customer: _____
 SO No: _____
 Model No: PDVAT-0518-60-8-96
 Serial No: PL15851/1436

Tested By: K. Mansfield
 Date: Wednesday, January 31, 2018
 Time: 2:52 PM
 Drawing No: 27621723 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	
2	Insertion Loss:	4.0 dB Max.	3.44 dB	
3	Return Loss:	-12 db Typ -8.5 dB Max.	11.21 dB	
4	Flatness @ 10dB:	± 0.9 dB	±0.35 dB	
5	Flatness @ 20dB:	± 1.5 dB	±0.51 dB	
6	Flatness @ 40dB:	± 3.0 dB	±1.21 dB	
7	Flatness @ 60dB:	± 5.0 dB	±4.41 dB	
8	Accuracy of Attenuation 0 to 30 dB:	± 1.0 dB	±0.13 dB	
	Accuracy of Attenuation 30 to 50 dB:			
9	Accuracy of Attenuation 30 to 50 dB:	± 1.3 dB	±0.31 dB	
	Accuracy of Attenuation 50 to 60 dB:			
10	Accuracy of Attenuation 50 to 60 dB:	± 1.5 dB	±0.77 dB	
	Switching Speed:			
11	Switching Speed:	1.5 us MAX	Pass	
12	DC Supply:	+12 to 15VDC @ 150 mA Max	+12 to 15VDC @ 138 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
0.25	0.25	0.00	0.04
0.50	0.48	0.02	0.05
1.00	0.98	0.02	0.10
2.00	1.98	0.02	0.16
4.00	3.97	0.03	0.25
8.00	7.94	0.06	0.33
16.00	15.94	0.06	0.44
32.00	31.96	0.04	0.72

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	±dB
5.00	4.95	0.05	0.27
10.00	9.93	0.07	0.35
15.00	14.87	0.13	0.43
20.00	19.92	0.08	0.51
25.00	24.89	0.11	0.58
30.00	29.95	0.05	0.61
35.00	34.86	0.14	0.83
40.00	39.93	0.07	1.21
45.00	44.92	0.08	1.65
50.00	49.98	0.02	2.20
55.00	54.88	0.12	3.23
60.00	59.65	0.35	4.41

QA/QC Approval: _____

Date: _____