



SUMMARY TEST DATA ON PDVAN-8018-60-8-OPT25DBM

Customer: _____
 Job No: _____
 Model No: PDVAN-8018-60-8-OPT25DBM
 Serial No: PL46725/2425

Tested By: K. Mansfield
 Date: Tuesday, June 18, 2024
 Temperature: +25° C
 Drawing No: 27618149 Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA QC
1	Frequency Range:	8 GHz to 18 GHz	8 GHz to 18 GHz	PMI QA4
2	Mean Attenuation Range:	60 dB	62 dB	
3	LSB:	0.25 dB	0.2 dB	
4	Insertion Loss:	5.0 dB Max.	3.4 dB See Plot	
5	VSWR:	2.0:1 Max.	1.9:1 See Plot	
6	Power Rating:	+25 dBm CW Min (Operating) +30 dBm CW Max (Survival)	See Typical Characteristics	
7	Attenuation Flatness:	±0.8 dB @ 10 dB Attenuation ±1.1 dB @ 20 dB Attenuation ±1.5 dB @ 40 dB Attenuation ±1.6 dB @ 60 dB Attenuation	±0.73 dB @ 10 dB ±1.2 dB @ 20 dB ±1.51 dB @ 40 dB ±1.46 dB @ 60 dB See Plot	
8	Switching Speed:	800 ns Max.	See Typical Characteristics	
9	Digital Control:	8 Bit Binary TTL	Pass	
10	Input Tracking:	Monotonic	Pass	
11	DC Supply:	+12 to +15VDC @ 150mA Max. -12 to -15VDC @ 75mA Max.	+12 VDC @ 37 mA -12 VDC @ 0 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.20	0.05	0.02
10.00	10.38	-0.38	0.73
20.00	20.21	-0.21	1.20
30.00	29.78	0.22	1.45
40.00	40.04	-0.04	1.51
50.00	50.62	-0.62	1.33
60.00	60.03	-0.03	1.46
63.75	62.43	1.32	1.67

QA/QC Approval: *Cameron Kelem*

Date: 6/18/24

