



SUMMARY TEST DATA ON PDT-8G12G-40-515-SFF

Customer: _____	Tested By: <u>K. Wagaman</u>
SO No: _____	Temperature: <u>+25° C, -54° C</u>
Model No: <u>PDT-8G12G-40-515-SFF</u>	Date: <u>1/22/2025</u>
Serial No: <u>PL51120/2504</u>	Drawing No: <u>27630580</u> Rev: <u>A3</u>

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		QA QC
			+25° C	-54° C	
1	Frequency Range:	8 GHz to 12 GHz	8 GHz to 12 GHz		PMI QA4
2	Insertion Loss:	2 dB Max., 8-10 GHz 2.3 dB Max., 10-12 GHz	1.53 dB 1.76 dB See Graph	1.5 dB 1.77 dB See Graph	
3	Isolation:	40 dB Min.	51.8 dB See Graph	52.9 dB See Graph	
4	VSWR:	1.8:1 Typ.	1.37:1 In 1.54:1 Out See Graph	1.36:1 In 1.54:1 Out See Graph	
5	Switching Speed:	200 ns Max.	Pass See Typical Characteristics	Pass See Typical Characteristics	
6	Input Power	40 dBm CW Avg.	Pass See Typical Characteristics	Pass See Typical Characteristics	
7	Operating Peak Power:	57 dBm Max 1 µs Pulse Width, 1% Duty Cycle.	Pass See Typical Characteristics	Pass See Typical Characteristics	
8	DC Supply:	+5 V @ 100 mA Max.. -15 V @ 100 mA Max.	+5V @ 26 mA -15 V @ 0 mA	+5 V @ 25 mA -15 V @ 0 mA	
9	Control:	Logic Table		Pass	
		CTL1	Function		
		1	J0-J1		
		0	J0-J2		

QA/QC Approval: *Cameron Kelley*

Date: 2/13/25

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