

**SUMMARY TEST DATA
ON
P2T-DC8G-45-R-50W-AL**

Customer: _____
SO No: _____
Model No: P2T-DC8G-45-R-50W-AL
Serial No: PL54366/2529

Tested By: A. Mousavi
Temperature: 25°C
Date: 7/19/2025
Drawing No: 27639260 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	0 GHz to 8 GHz	0.01 GHz to 8 GHz	PMI QA4
2	Operating Power CW	50 Watts Max Cold Switching	Pass See Typical Characteristics	
3	Insertion Loss	1 dB Max., 0.8 Typ., 0.01-0.5 GHz 1.2 dB Max., 1.0 Typ., 0.5-1 GHz 1.4 dB Max., 1.0 Typ., 1-2 GHz 1.8 dB Max., 1.5 Typ., 2-4 GHz 2.3 dB Max., 2.0 Typ., 4-6 GHz 2.8 dB Max., 2.5 Typ., 6-8 GHz	0.59 dB 0.74 dB 0.93 dB 1.31 dB 1.91 dB 2.44 dB	
4	Isolation	53 dB Min., 58 dB Typ., 0.01-0.5 GHz 50 dB Min., 52 dB Typ., 0.5-1 GHz 44 dB Min., 47 dB Typ., 1-2 GHz 40 dB Min., 42 dB Typ., 2-4 GHz 37 dB Min., 40 dB Typ., 4-6 GHz 36 dB Min., 40 dB Typ., 6-8 GHz	58.5 dB 54.6 dB 49.8 dB 43 dB 39.8 dB 37.6 dB	
5	VSWR: In/Out	1.4:1 Max., 1.2:1 Typ., 0.01-0.5 GHz 1.5:1 Max., 1.3:1 Typ., 0.5-1 GHz 1.5:1 Max., 1.3:1 Typ., 1-2 GHz 1.6:1 Max., 1.4:1 Typ., 2-4 GHz 1.8:1 Max., 1.6:1 Typ., 4-6 GHz 1.8:1 Max., 1.6:1 Typ., 6-8 GHz	1.16:1 1.27:1 1.35:1 1.54:1 1.8:1 1.8:1	
6	Switching Speed Max	100 ns Max.	Pass See Typical Characteristics	
7	Hot Switching	50 W (CW) MAX (1KHz, * , @ 20MHz) 40 W (CW) MAX (1KHz, * , @ 100MHz to 8 GHz) 20 W (CW) MAX (1MHz, * , @ 20MHz) 16 W (CW) MAX (1MHz, * , @ 100MHz to 0.5 GHz) 10 W (CW) MAX (1MHz, * , @ 8MHz)	Pass See Typical Characteristics	
8	Power Supply	5 V @ 100 mA	5 V @ 50 mA	
9	Control Signal	TTL LOGIC '0' : J1-J2 Low Loss '1' : J1-J3 Low Loss	Pass	PMI QA4

*50% Duty Cycle

QA/QC Approval: _____

Date: 7/21/25



