



**SUMMARY TEST DATA  
ON  
P2T-10M8G-45-R-50W-AL**

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: P2T-10M8G-45-R-50W-AL  
 Serial No: PL36097/2214

Tested By: L.McGraw  
 Temperature: 25°C  
 Date: 10/14/2024  
 Drawing No: 27639180 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	0.01 GHz to 8 GHz	0.01 GHz to 8 GHz	PMI QA2
2	Operating Power CW	50 Watts Average Cold Switching	Pass See Typical Characteristics	PMI QA2
3	Insertion Loss	1 dB Max., 0.01-0.5 GHz 1.2 dB Max., 0.5-1 GHz 1.4 dB Max., 1-2 GHz 1.8 dB Max., 2-4 GHz 2.3 dB Max., 4-6 GHz 3 dB Max., 6-8 GHz	0.9 dB 0.99 dB 1.07 dB 1.53 dB 2.05 dB 2.61 dB	
4	Isolation	53 dB Min., 0.01-0.5 GHz 48 dB Min., 0.5-1 GHz 42 dB Min., 1-2 GHz 38 dB Min., 2-4 GHz 36 dB Min., 4-6 GHz 36 dB Min., 6-8 GHz	59.4 dB 55.7 dB 49.7 dB 43.6 dB 40.8 dB 38.3 dB	
5	VSWR: In/Out	2:1 Max., 0.01-0.5 GHz 1.5:1 Max., 0.5-1 GHz 1.5:1 Max., 1-2 GHz 1.5:1 Max., 2-4 GHz 1.8:1 Max., 4-6 GHz 1.9:1 Max., 6-8 GHz	1.87:1 1.44:1 1.44:1 1.36:1 1.66:1 1.56:1	
6	Switching Speed	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 Max.	5 V @ 40 mA	

\*50% Duty Cycle

QA/QC Approval:  PMI QA2

Date: 10/15/2024

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