



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

Customer: _____
 SO No: _____
 Model No: P2T-10M8G-45-R-50W-AL
 Serial No: PL50061/2445

Tested By: K Craven
 Temperature: 25°C
 Date: 11/5/2024
 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 QA4
2	Operating Power CW	50 Watts Average Cold Switching	Pass See Typical Characteristics	
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	0.88 dB 0.93 dB 1.03 dB 1.4 dB 2.06 dB 2.86 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	58.7 dB 55 dB 49 dB 42.7 dB 39.8 dB 39 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	1.68:1 1.48:1 1.48:1 1.31:1 1.77:1 1.72:1	
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.	+5VDC @ 40 mA	PMI QA4

*50% Duty Cycle

QA/QC Approval: *Cameron Kelly*

Date: 11/6/24

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 Email: sales@quanticpmi.com



