



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

Customer: _____
 SO No: _____
 Model No: P2T-DC8G-45-R-50W-AL
 Serial No: PL57885/2607

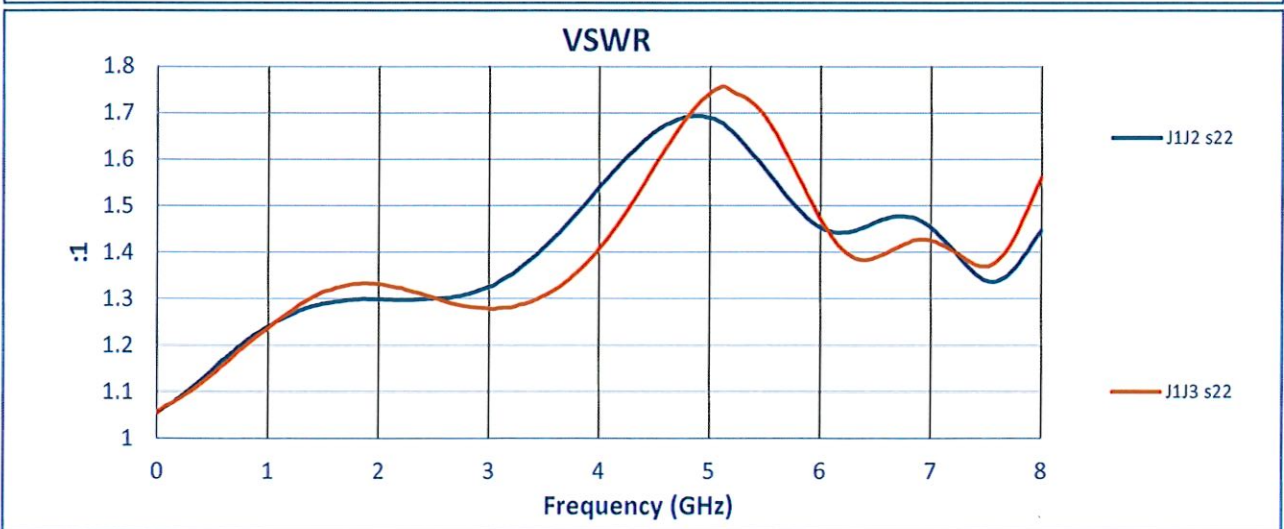
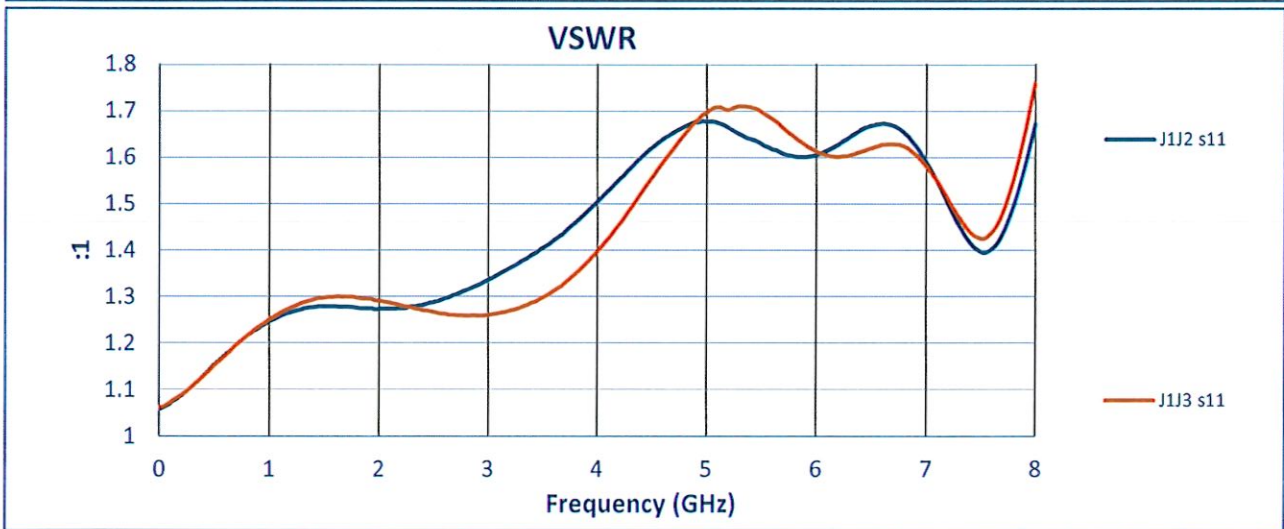
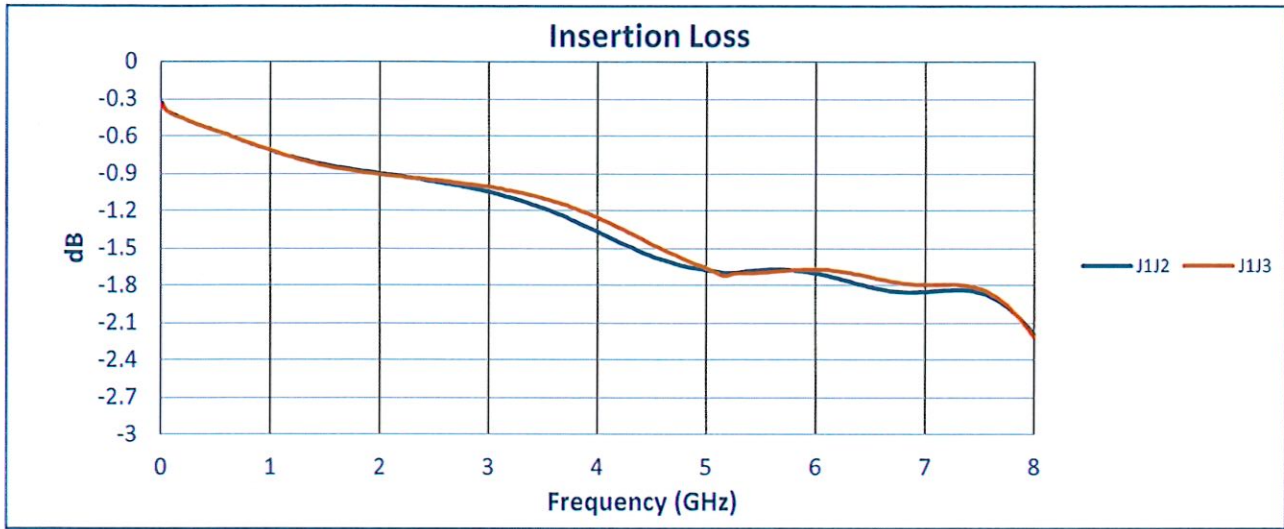
Tested By: A. Mousavi
 Temperature: 25°C
 Date: 2/7/2026
 Drawing No: 27639260 Rev: A1

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 QA2
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	0.57 dB 0.72 dB 0.91 dB 1.37 dB 1.72 dB 2.21 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	55.4 dB 51.4 dB 47.1 dB 40.9 dB 37.6 dB 36.7 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 1.25:1 1.33:1 1.54:1 1.76:1 1.76:1	
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 QA2

*50% Duty Cycle

QA/QC Approval: PMI QA2 Date: 2/9/2026

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