Quantic PMI
PLANAR MONOLITHICS

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

Customer: [redacted]
SO No: [redacted]
Model No: P2T-DC8G-45-R-50W-AL
Serial No: PL57296/2603

Tested By: A. Mousavi
Temperature: 25°C
Date: 9/24/2026
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 QA6
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	**0.61 dB** **0.74 dB** **0.93 dB** **1.37 dB** **1.76 dB** **2.18 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	**58.2 dB** **53.9 dB** **48.6 dB** **41.2 dB** **37.7 dB** **37.1 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** **1.32:1** **1.57:1** **1.74:1** **1.77:1**	
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, * ,@ 8GHz)	**Pass See Typical Characteristics**	
8	Power Supply	5 V @ 100 mA Max.	**5 V @ 40 mA**	
9	Control Signal	TTL LOGIC '0' : J1-J2 Low Loss '1' : J1-J3 Low Loss	**Pass**	PMI QA6

***50% Duty Cycle**

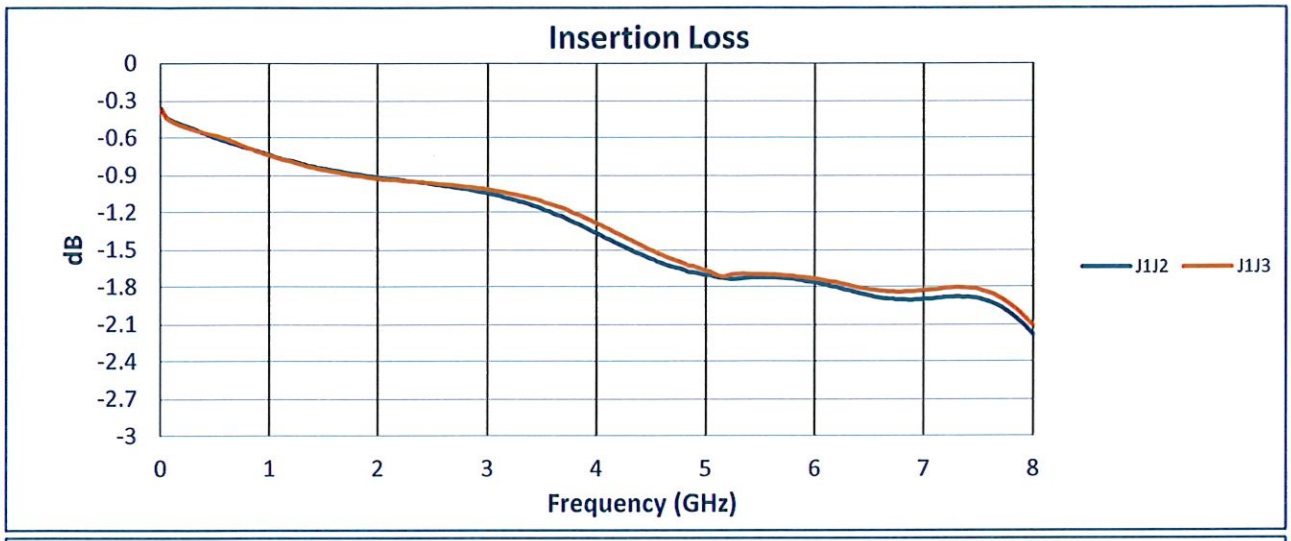
QA/QC Approval: Anthony Karoly PMI QA6 **Date:** 9/25/26

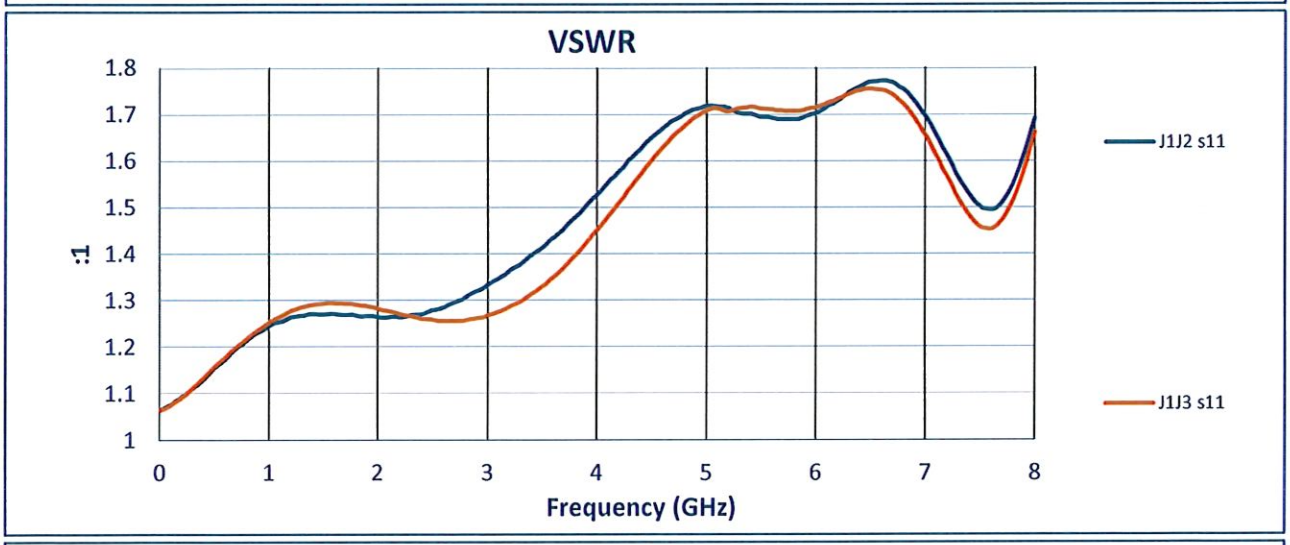
7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@quanticpmi.com

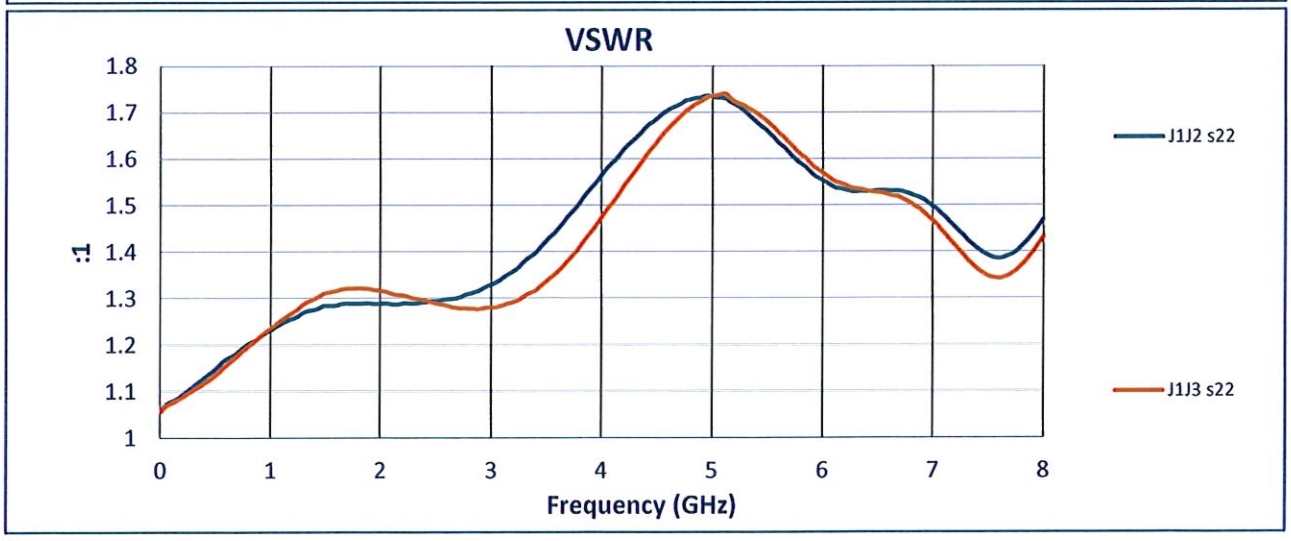
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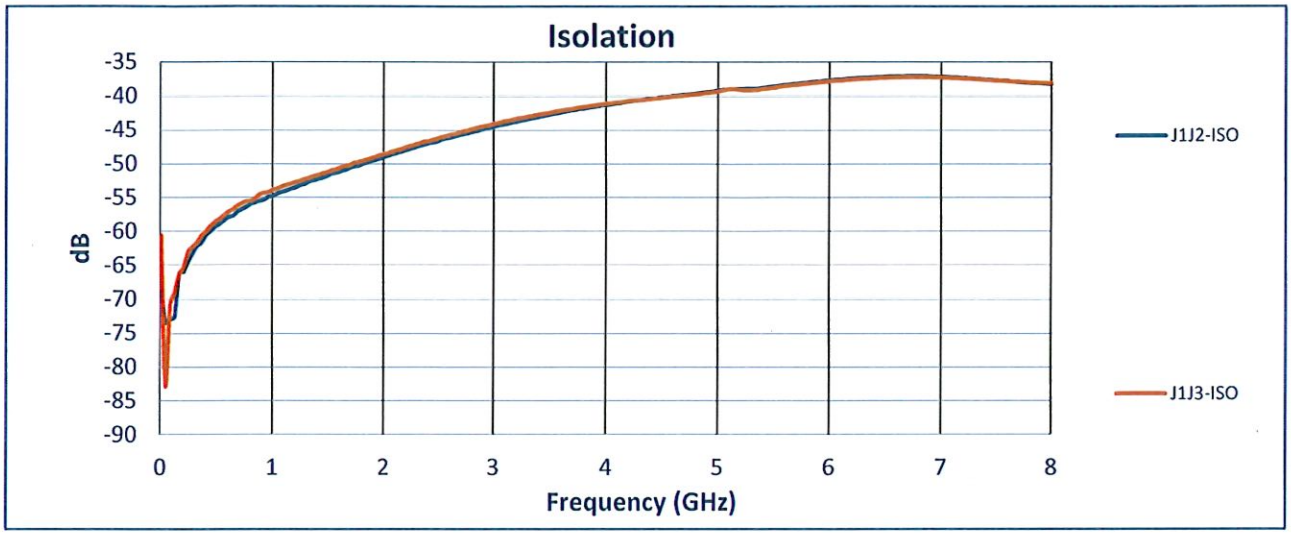


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