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: PL43785/2402

Tested By: K Craven
Temperature: +25°C
Date: 6/30/2025
Drawing No: 26939260 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	DC to 8.0 GHz	DC to 8.0 GHz	PMI QA4
2	RF Input Power:	50 Watts Average (Cold Switching)	Pass See Typical Characteristics	
3	Insertion Loss:	1.00 dB Max. @ 10 MHz - 0.5 GHz 1.20 dB Max. @ 0.5 - 1.0 GHz 1.40 dB Max. @ 1.0 - 2.0 GHz 1.80 dB Max. @ 2.0 - 4.0 GHz 2.30 dB Max. @ 4.0 - 6.0 GHz 2.80 dB Max. @ 6.0 - 8.0 GHz	0.55 dB 0.7 dB 0.92 dB 1.16 dB 1.64 dB 2.17 dB See Plot	
4	Isolation:	53 dB Min. @10 MHz - 0.5 GHz 50 dB Min. @ 0.5 - 1.0 GHz 44 dB Min. @ 1.0 - 2.0 GHz 40 dB Min. @ 2.0 - 4.0 GHz 37 dB Min. @ 4.0 - 6.0 GHz 36 dB Min. @ 6.0 - 8.0 GHz	60 dB 55 dB 50 dB 43 dB 39 dB 39 dB See Plot	
5	VSWR:	1.40:1 Max. @ 10 MHz - 0.5 GHz 1.50:1 Max. @ 0.5 - 2.0 GHz 1.60:1 Max. @ 2.0 - 4.0 GHz 1.80:1 Max. @ 4.0 - 8.0 GHz	1.15:1 1.4:1 1.4:1 1.77:1 See Plot	
6	Switching Speed:	100 ns Max.	Pass See Typical Characteristics	
7	Hot Switching:	50 Watts (CW) Max. (1 KHz. 50% Duty Cycle @ 20 MHz) 40 Watts (CW) Max. (1 MHz. 50% Duty Cycle @ 100 MHz - 8 GHz) 20 Watts (CW) Max. (1 MHz. 50% Duty Cycle @ 20 MHz) 16 Watts (CW) Max. (1 MHz. 50% Duty Cycle @ 100 MHz - 0.5 GHz 10 Watts (CW) Max. (1 MHz, 50% Duty Cycle @ 8 GHz)	Pass See Typical Characteristics	
8	Power Supply:	+5 VDC @ 100 mA Max.	+5 VDC @ 30 mA	PMI QA4

QA/QC Approval: Cameron Helm Date: 7/14/25

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

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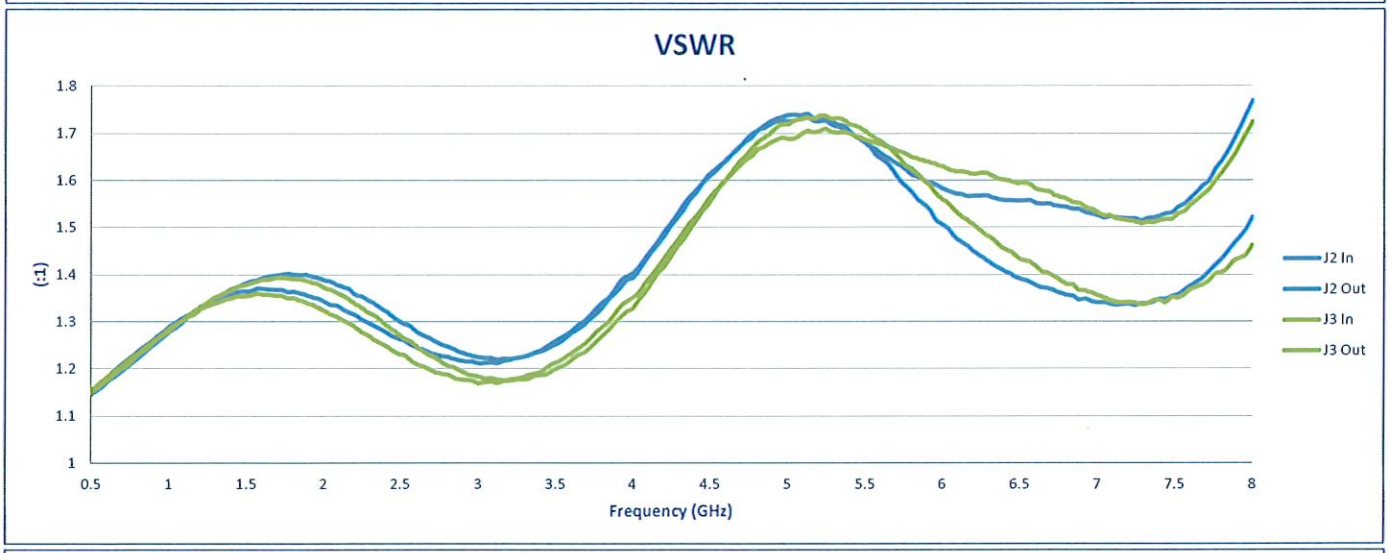

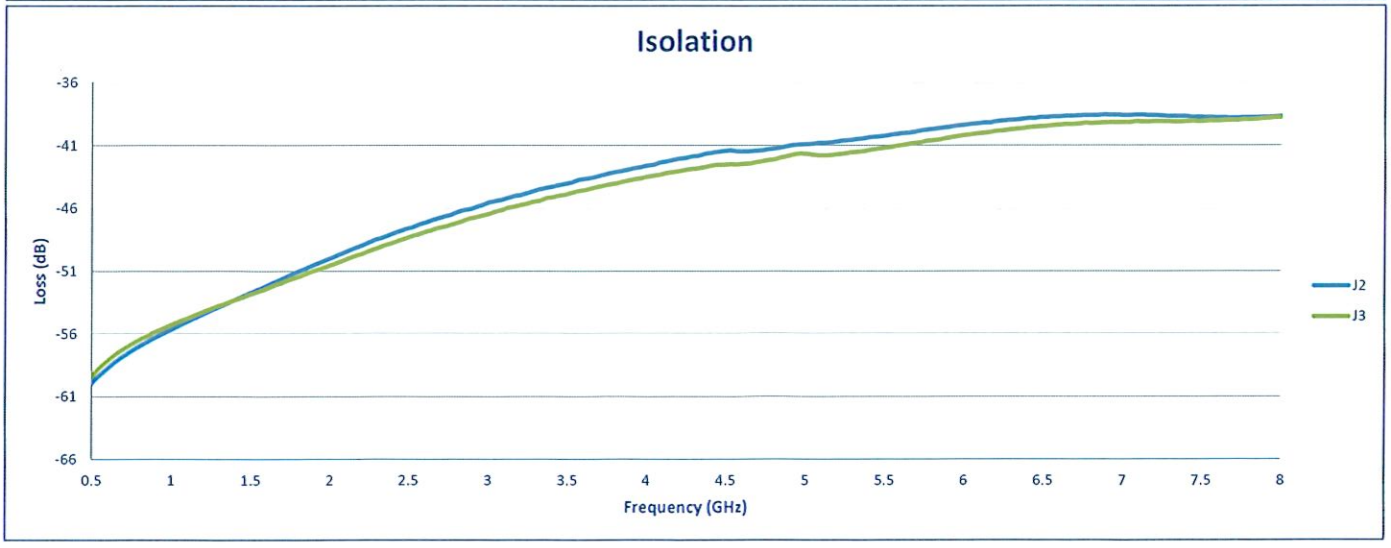

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