SUMMARY TEST DATA ON P8T-100M50G-90-T-RD

Customer: [redacted]
SO No: [redacted]
Model No: P8T-100M50G-90-T-RD
Serial No: PL30808/2051

Tested By: A. Lopez
Temperature: +25°C
Date: 6/10/2021
Drawing No: 27634420 REV: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS +25°C	QA QC
1	Frequency Range:	0.1 to 50 GHz	0.1 to 50 GHz	PMI QA 2
2	Insertion Loss:	6.0 dB (0.1 to 18 GHz) Typ.	5.71 dB	
		9.0 dB (18 to 40 GHz) Typ.	9.86 dB	
		16.0 dB (40 to 50 GHz) Typ.	13.71 dB	
			See Graphs	
3	Isolation:	90 dB (0.1 to 1 GHz) Typ.	83.08 dB	
		90 dB (18 to 40 GHz Typ.	79 dB	
		80 dB (40 to 50 GHz) Typ.	62.61 dB	
			See Graphs	
4	VSWR: In/Out	2.2:1 (0.1 to 18 GHz) Typ.	2.19 :1	
		2.5:1 (18 to 40 GHz) Typ.	2.96 :1	
		3.5:1 (40 to 50 GHz) Typ.	2.83 :1	
			See Graphs	
5	Operating Input Power:	+20dBm Max.	Pass See Typical Characteristics	
6	Switching Speed	50ns Max.	Pass See Typical Characteristics	
7	DC Supply:	+5 VDC @ 400 mA Max. -5 VDC @ 300 mA Max.	+5 VDC @ 367 mA -5 VDC @ 153 mA	
8	Control Signal:	Logic Table		PMI QA 2
		3 BIT Decoder		
		CTL3 / CTL2 / CTL1	Function	
		0 / 0 / 0	J1 to J2	
		0 / 0 / 1	J1 to J3	
		0 / 1 / 0	J1 to J4	
		0 / 1 / 1	J1 to J5	
		1 / 0 / 0	J1 to J6	
		1 / 0 / 1	J1 to J7	
		1 / 1 / 0	J1 to J8	
		1 / 1 / 1	J1 to J9	

QA/QC Approval: PMI QA 2 Date: 6/10/21

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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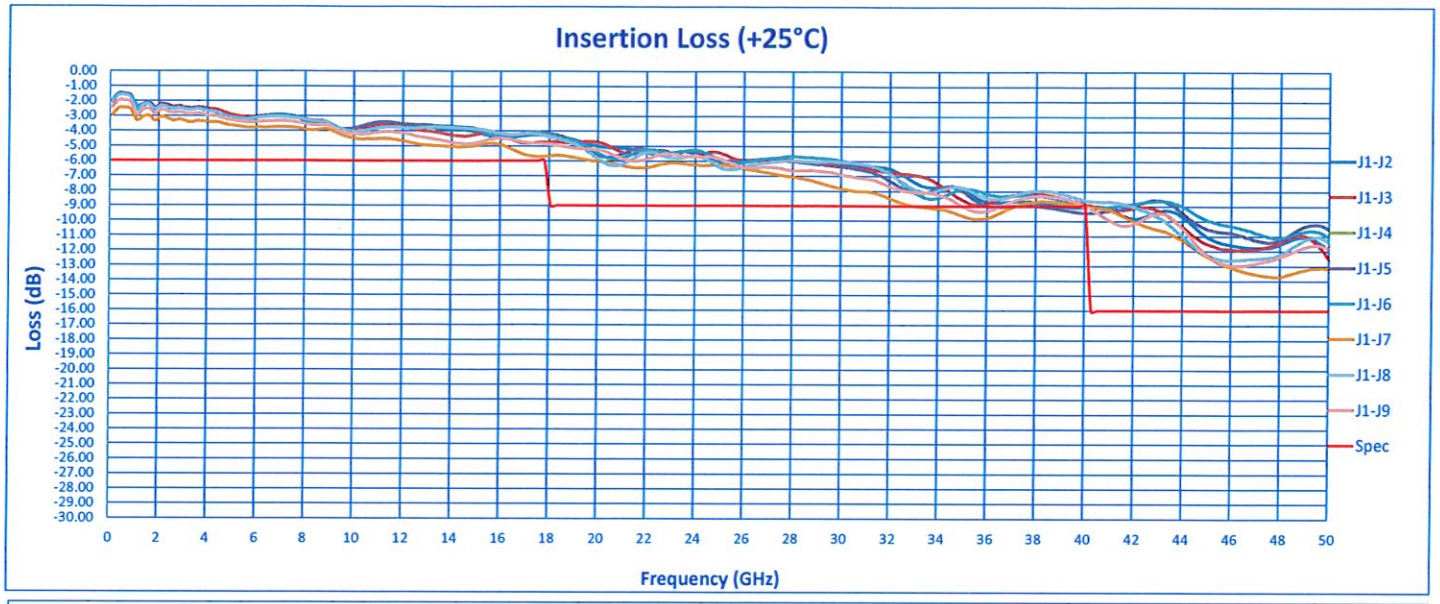

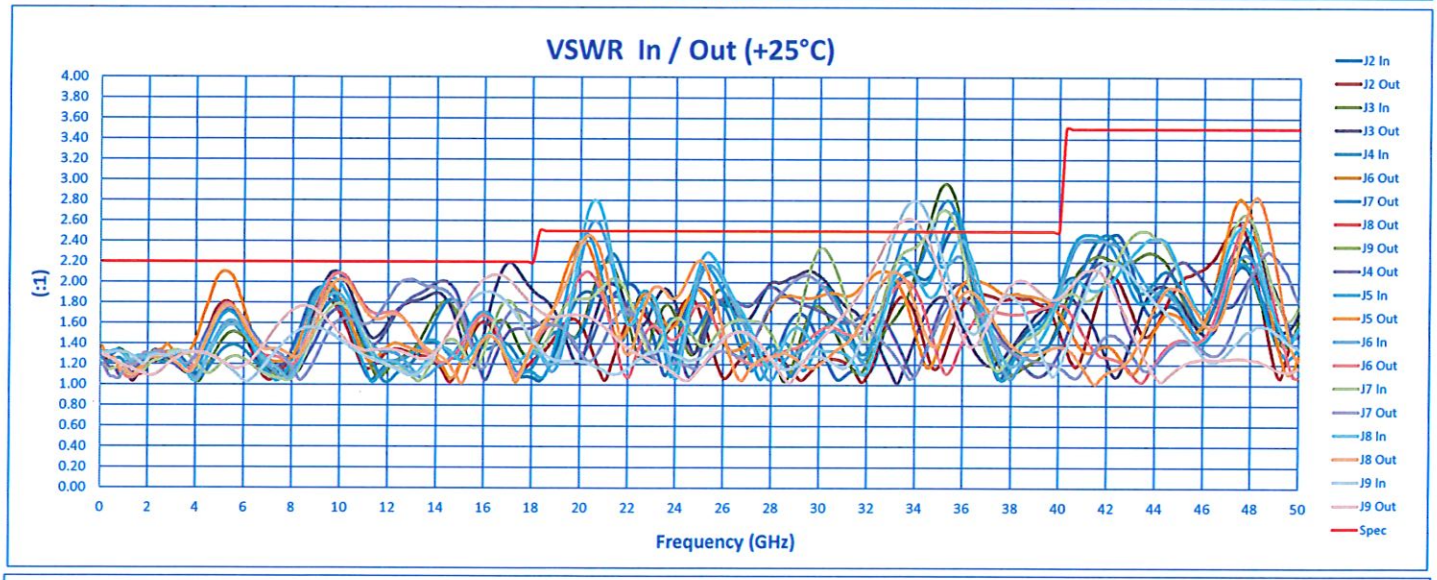

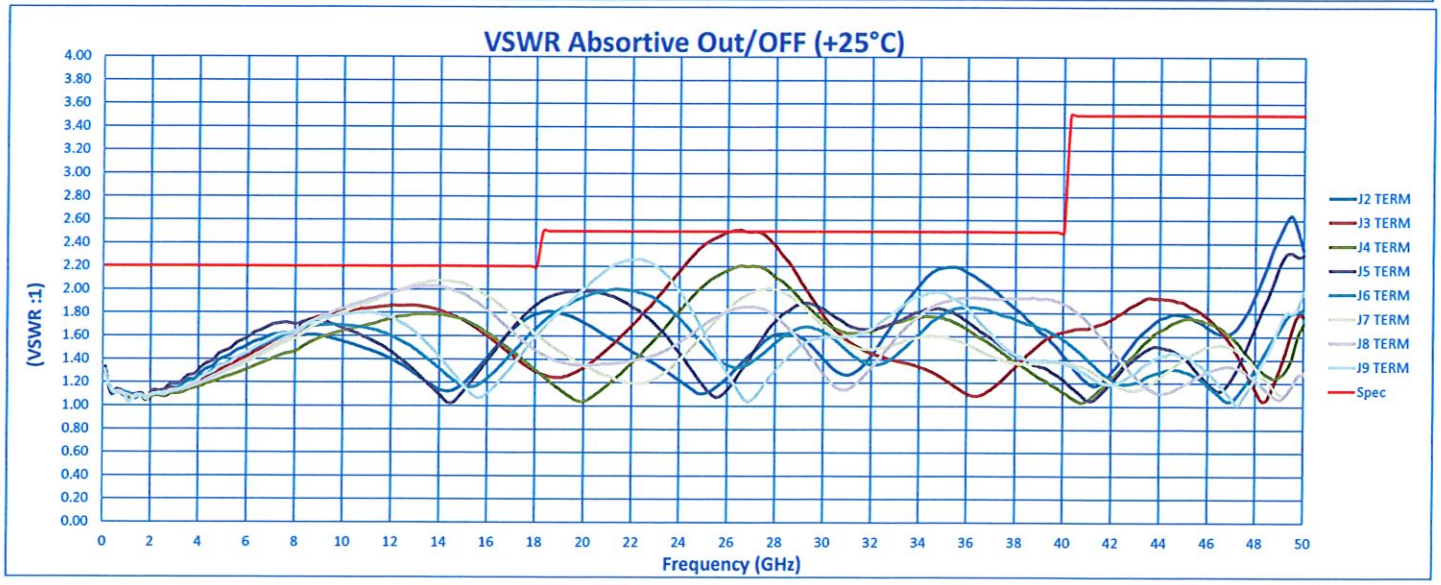

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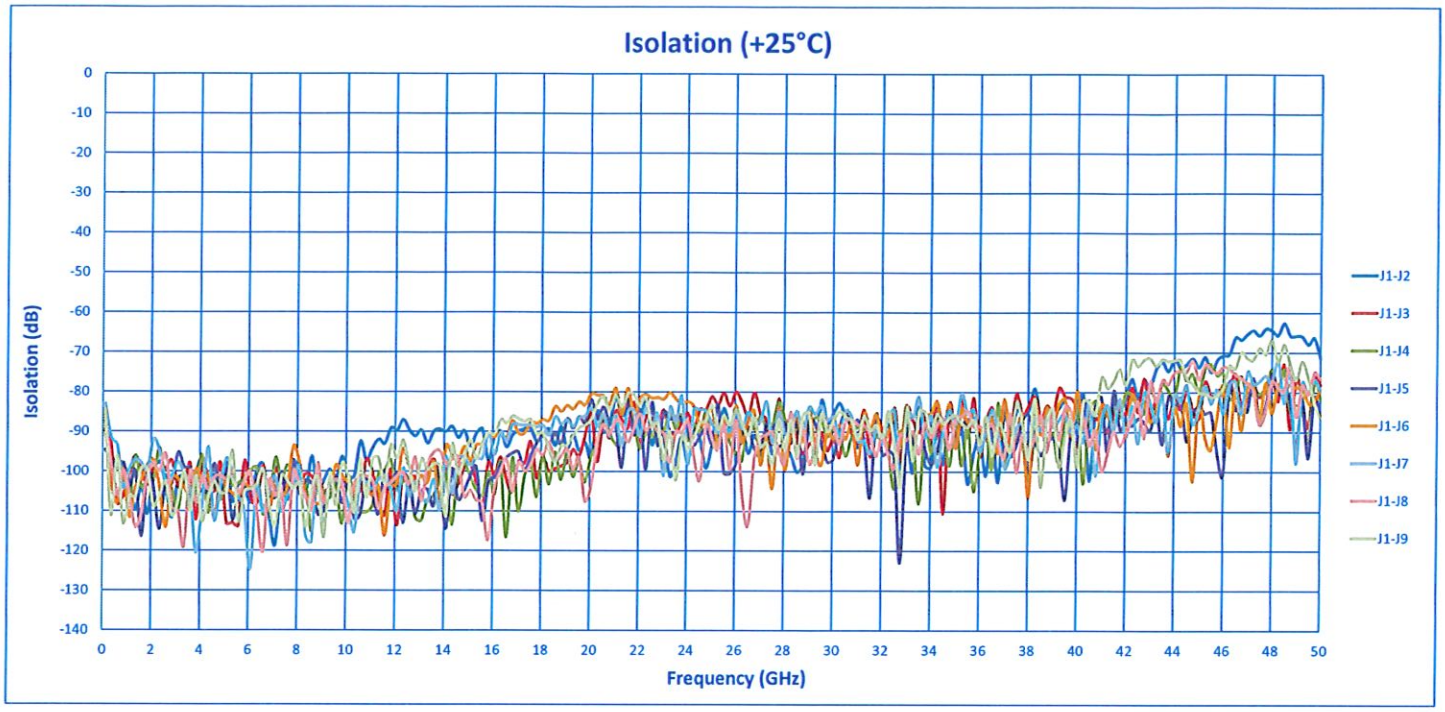

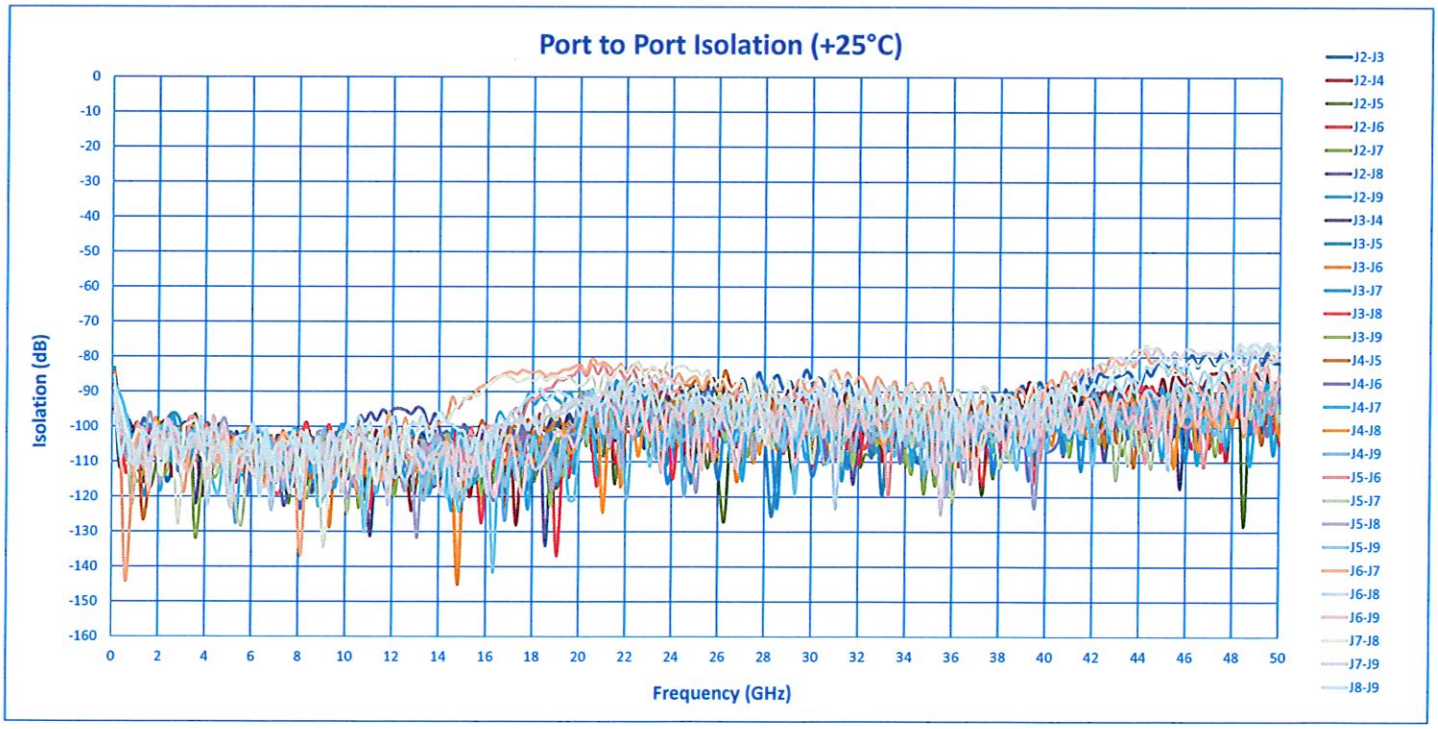

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