



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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: P8T-100M50G-90-T-RD  
 Serial No: PL36933/2224

Tested By: S. O'Neill  
 Temperature: +25°C  
 Date: 6/13/2022  
 Drawing No: 27634420      REV: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
			+25°C		
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.	4.74 dB		
		9.0 dB (18 to 40 GHz) Typ.	8.76 dB		
		16.0 dB (40 to 50 GHz) Typ.	16.47 dB		
			See Graphs		
3	Isolation:	90 dB (0.1 to 1 GHz) Typ.	72.32 dB		
		90 dB (18 to 40 GHz) Typ.	60.86 dB		
		80 dB (40 to 50 GHz) Typ.	53.63 dB		
			See Graphs		
4	VSWR: In/Out	2.2:1 (0.1 to 18 GHz) Typ.	2.35 :1		
		2.5:1 (18 to 40 GHz) Typ.	2.69 :1		
		3.5:1 (40 to 50 GHz) Typ.	3.64 :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			
		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		

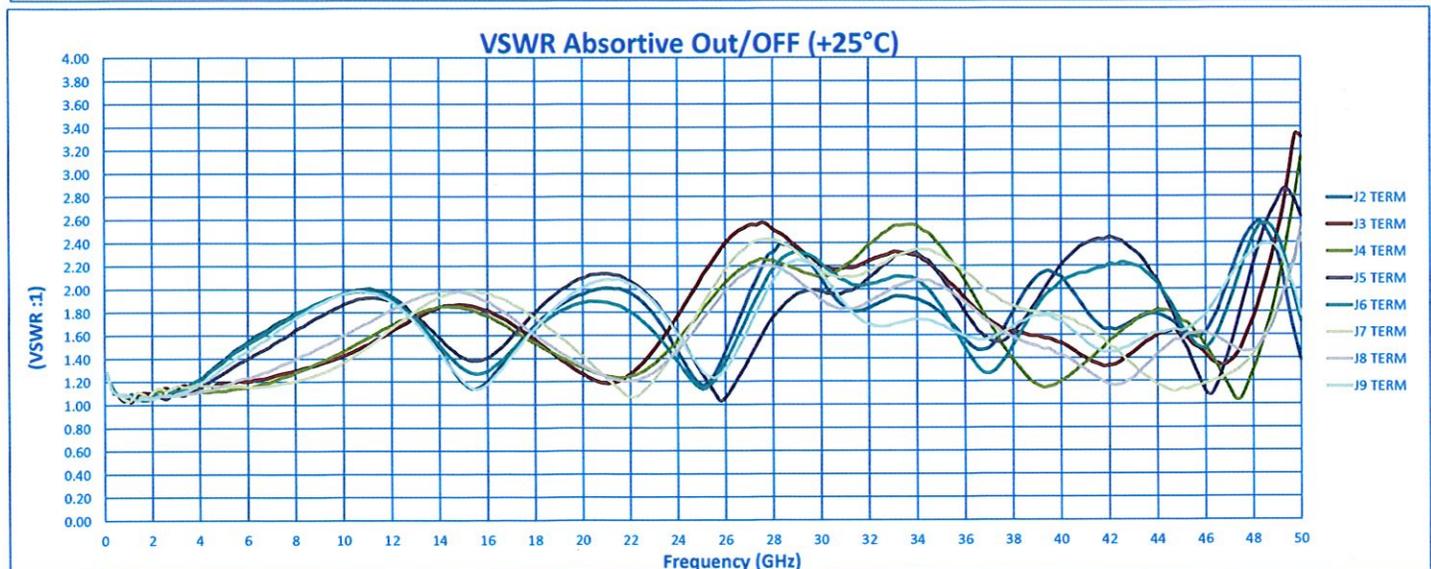
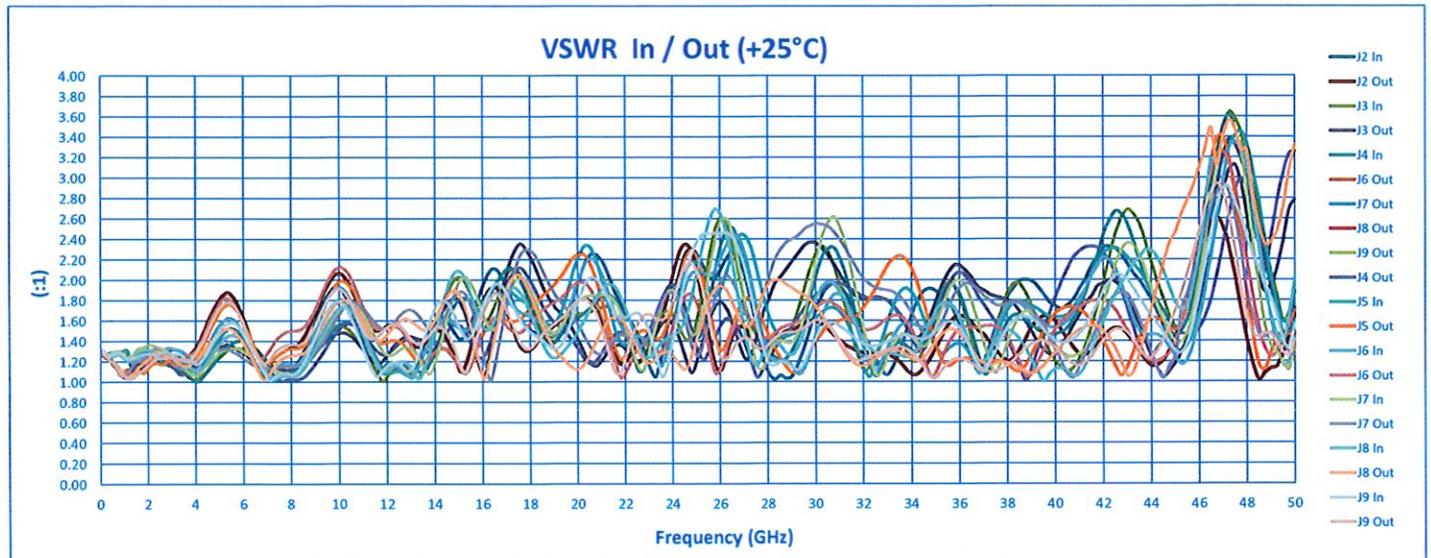
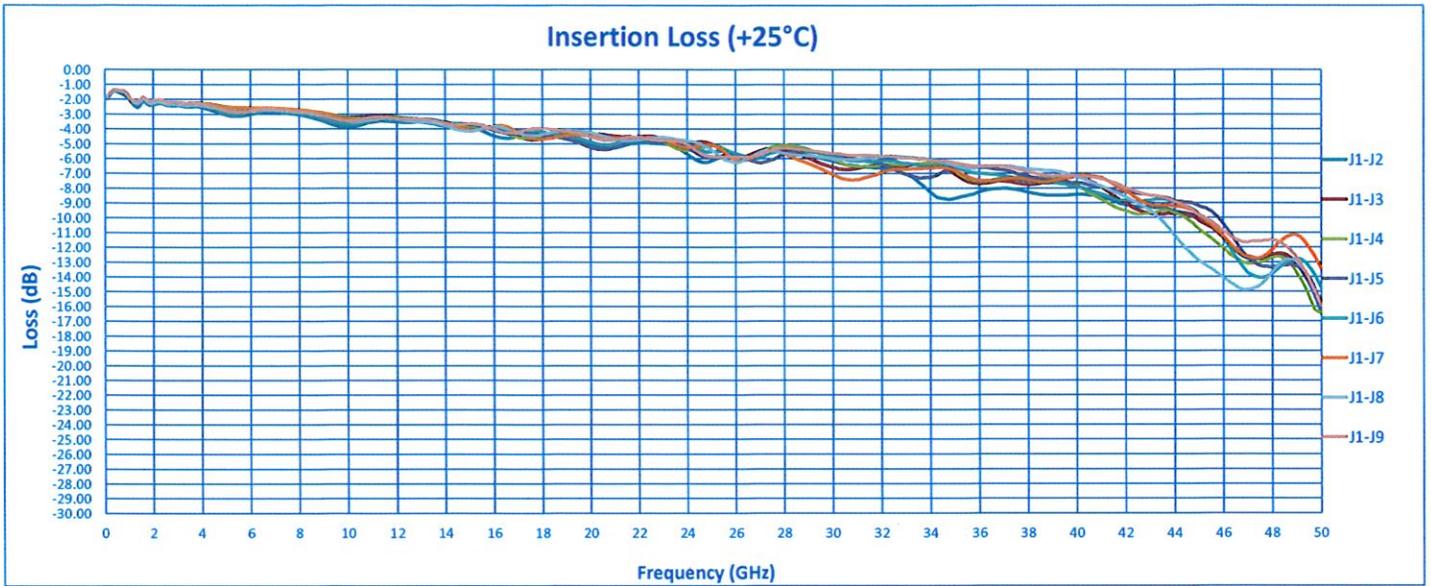
QA/QC Approval:

PMI  
QA 2

Date: 6/13/2022



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