



SUMMARY TEST DATA ON P2T-0R5G8G-45-R-50W-AL

Customer: _____
 SO No: _____
 Model No: P2T-0R5G8G-45-R-50W-AL
 Serial No: PL34770/2146

Tested By: A. Lopez
 Temperature: +25°C
 Date: 11/18/2021
 Drawing No: 27638360 Rev: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.5 to 8.0 GHz	0.5 to 8.0 GHz	PMI QA 2
2	RF Input Power:	50 Watts Average (Cold Switching)	Pass See Typical Characteristics	
3	Insertion Loss:	1.30 dB MAX, 0.90 dB TYP @ 0.5 - 1.0 GHz	0.98 dB	
		1.40 dB MAX, 1.00 dB TYP @ 1.0 - 2.0 GHz	1.11 dB	
		1.60 dB MAX, 1.30 dB TYP @ 2.0 - 4.0 GHz	1.51 dB	
		2.30 dB MAX, 2.00 dB TYP @ 4.0 - 6.0 GHz	2.07 dB	
		2.60 dB MAX, 2.40 dB TYP @ 6.0 - 8.0 GHz	2.49 dB	
			See Graphs	
4	Isolation:	48 dB MIN, 52 dB TYP @ 0.5 - 1.0 GHz	53.9 dB	
		42 dB MIN, 45 dB TYP @ 1.0 - 2.0 GHz	47.87 dB	
		36 dB MIN, 38 dB TYP @ 2.0 - 4.0 GHz	40.96 dB	
		35 dB MIN, 37 dB TYP @ 4.0 - 6.0 GHz	37.56 dB	
		30 dB MIN, 33 dB TYP @ 6.0 - 8.0 GHz	34.92 dB	
			See Graphs	
5	VSWR (In/Out)	1.5:1 MAX, 1.30:1 TYP @ 0.5 - 1.0 GHz	1.35 :1	
		1.5:1 MAX, 1.30:1 TYP @ 1.0 - 2.0 GHz	1.34 :1	
		1.5:1 MAX, 1.30:1 TYP @ 2.0 - 4.0 GHz	1.39 :1	
		1.9:1 MAX, 1.80:1 TYP @ 4.0 - 6.0 GHz	1.82 :1	
		2.0:1 MAX, 1.8:1 TYP @ 6.0 - 8.0 GHz	1.77 :1	
			See Graphs	
6	Switching Speed:	100 ns Max.	Pass See Typical Characteristics	
7	Hot Switching:	40 Watts (CW) Max. (1KHz, 50% Duty Cycle, At 0.5 To 8GHz) 10Watts (CW) Max. (1MHz, 50% Duty Cycle, At 8GHz) 16Watts (CW) Max. (1MHz, 50% Duty Cycle, At 100MHz to 0.5GHz)	Pass See Typical Characteristics	
8	Power Supply:	+5 VDC @ 100 mA Maximum	+5 VDC @ 30 mA	PMI QA 2

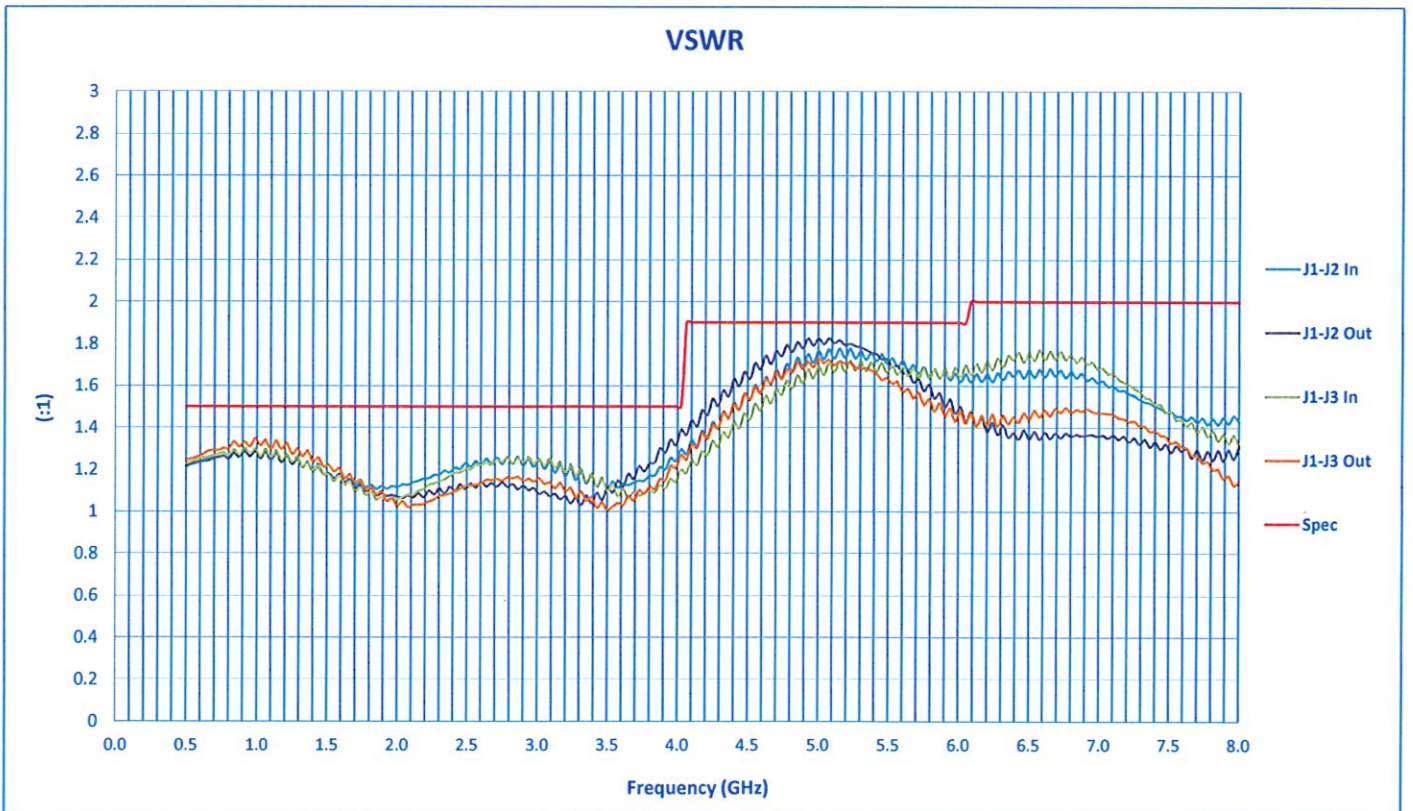
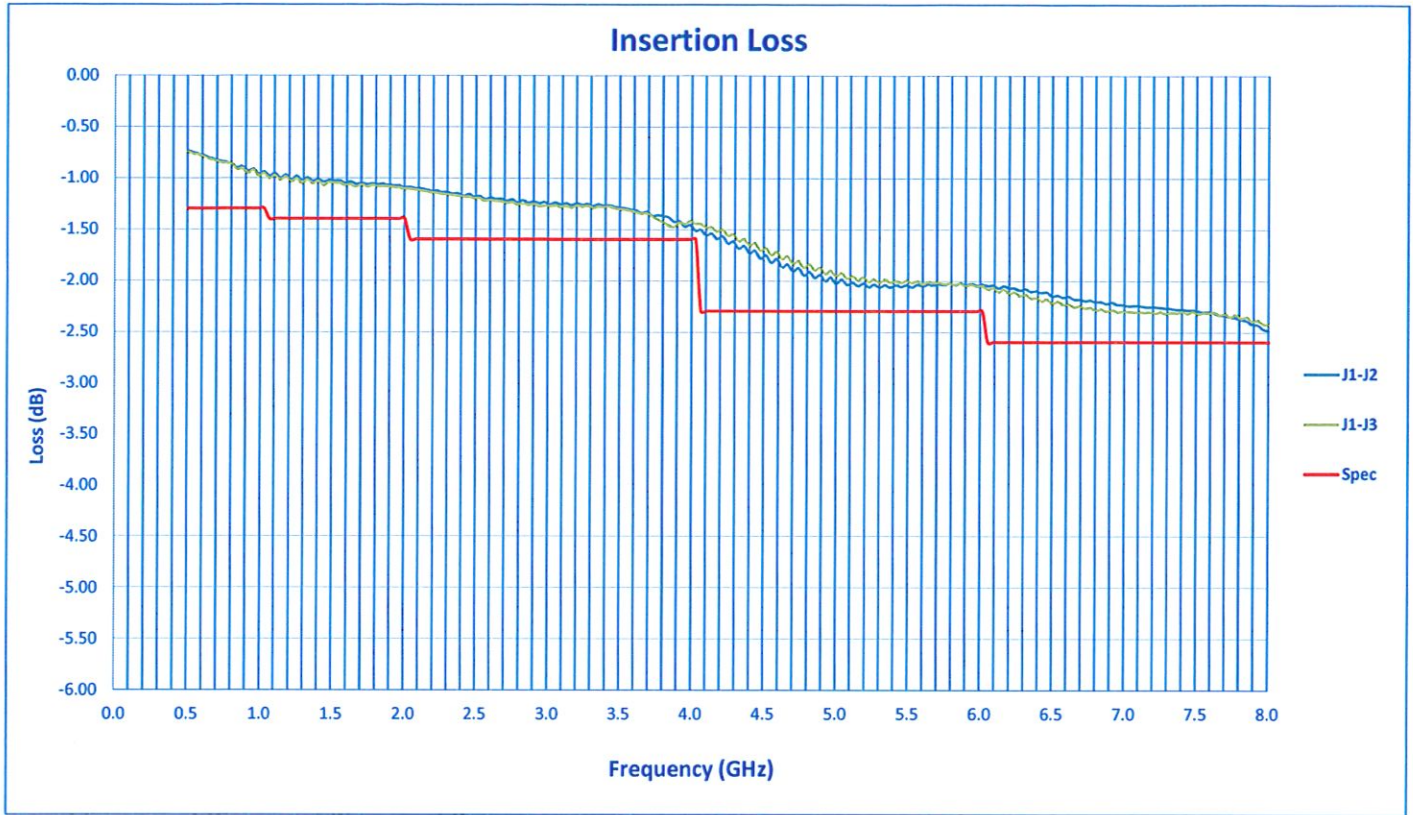
QA/QC Approval: 

PMI
QA 2

Date: 11/18/2021



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