

SUMMARY TEST DATA ON P2T-10M8G-45-R-50W-AL

Customer: _____
SO No: _____
Model No: P2T-10M8G-45-R-50W-AL
Serial No: PL37690/2235

Tested By: A. Lopez
Temperature: +25°C
Date: 8/31/2022
Drawing No: 27638360 Rev: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	10MHz to 8.0 GHz	10 MHz to 8.0 GHz	PMI QA 2
2	RF Input Power:	50 Watts Average (Cold Switching)	Pass See Typical Characteristics	
3	Insertion Loss:	1.0 dB MAX, 0.80 dB TYP @ 10MHz -	0.78 dB	
		1.20 dB MAX, 1.00 dB TYP @ 0.5 - 1.0	0.91 dB	
		1.40 dB MAX, 1.00 dB TYP @ 1.0 - 2.0	1.03 dB	
		1.80 dB MAX, 1.50 dB TYP @ 2.0 - 4.0	1.4 dB	
		2.30 dB MAX, 2.00 dB TYP @ 4.0 - 6.0	2 dB	
		3.00 dB MAX, 2.50 dB TYP @ 6.0 - 8.0	2.86 dB	
			See Graphs	
4	Isolation:	53 dB MIN, 58 dB TYP @ 10MHz - 0.5	58.6 dB	
		48 dB MIN, 52 dB TYP @ 0.5 - 1.0 GHz	55.32 dB	
		42 dB MIN, 45 dB TYP @ 1.0 - 2.0 GHz	49.25 dB	
		38 dB MIN, 40 dB TYP @ 2.0 - 4.0 GHz	43.23 dB	
		36 dB MIN, 40 dB TYP @ 4.0 - 6.0 GHz	39.7 dB	
		36 dB MIN, 40 dB TYP @ 6.0 - 8.0 GHz	38.4 dB	
			See Graphs	
5	VSWR:	2.00:1 MAX, 1.80:1 TYP @ 10MHz - 0.5	1.71 :1	
		1.5:1 MAX, 1.30:1 TYP @ 0.5 - 1.0 GHz	1.44 :1	
		1.5:1 MAX, 1.30:1 TYP @ 1.0 - 2.0 GHz	1.44 :1	
		1.5:1 MAX, 1.30:1 TYP @ 2.0 - 4.0 GHz	1.34 :1	
		1.8:1 MAX, 1.60:1 TYP @ 4.0 - 6.0 GHz	1.77 :1	
		1.90:1 MAX, 1.80:1 TYP @ 6.0 - 8.0 GHz	1.87 :1	
			See Graphs	
6	Switching Speed:	100 ns Max.	Pass See Typical Characteristics	
7	Hot Switching:	50 Watts (CW) Max. (1KHz, 50% Duty Cycle At 20MHz) (40 Watts (CW) Max. (1KHz, 50% Duty Cycle, At 100MHz To 8GHz) 20Watts (CW) Max. (1MHz, 50% Duty Cycle, At 20 MHz) 16Watts (CW) Max. (1MHz, 50% Duty Cycle, At 100MHz to 0.5GHz) 10Watts (CW) Max (1MHz, 50% Duty Cycle At 8GHz)	Pass See Typical Characteristics	
8	Power Supply:	+5 VDC @ 100 mA Maximum	+5 VDC @ 40 mA	PMI QA 2

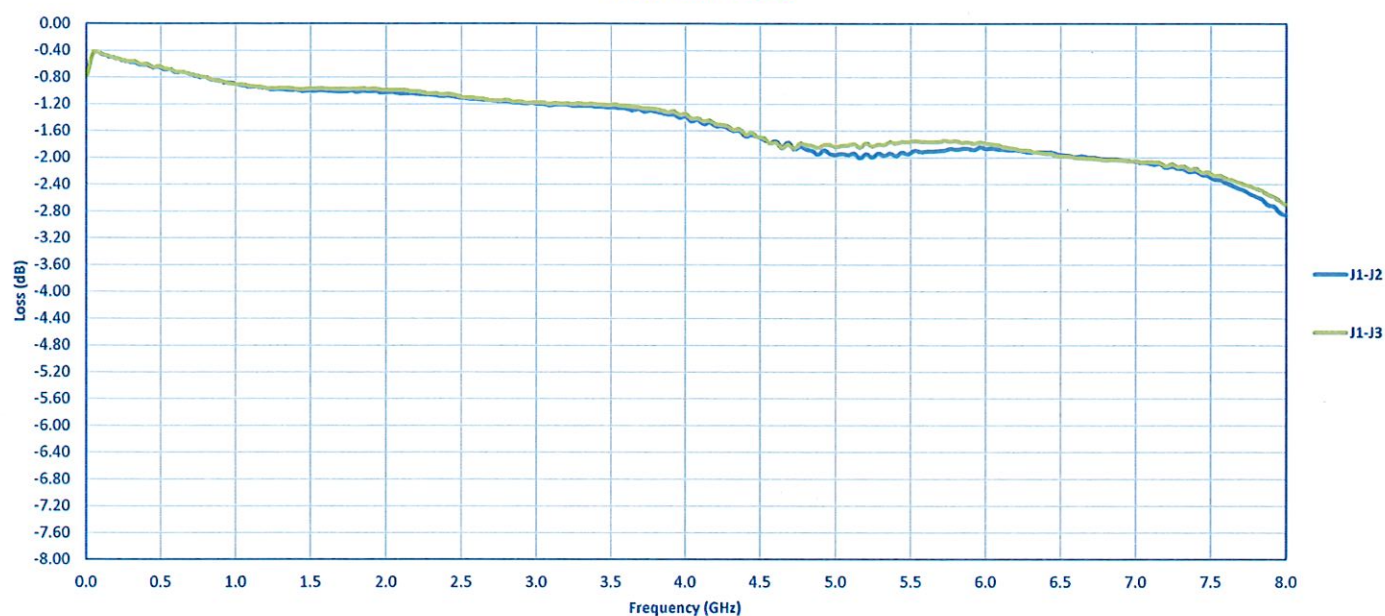
QA/QC Approval: _____

PMI
QA 2

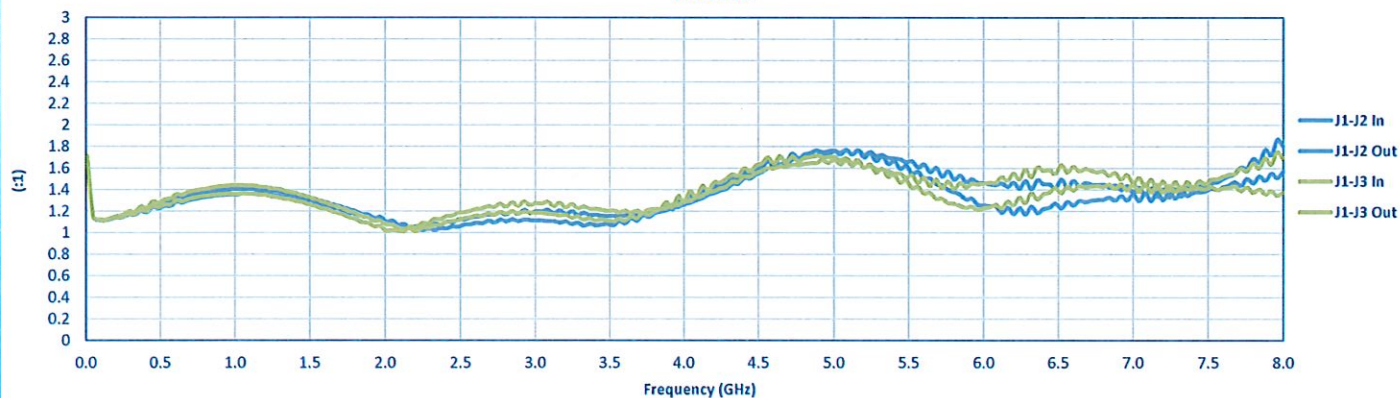
Date: 8/31/2022

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Insertion Loss



VSWR



Isolation

