



SUMMARY TEST DATA ON P2T-0R1G8G-45-R-50W-AL

Customer: _____
 SO No: _____
 Model No: P2T-0R1G8G-45-R-50W-AL
 Serial No: DEMO-PMI

Tested By: A. Lopez
 Temperature: +25°C
 Date: 6/29/2020
 Drawing No: 27638360 Rev: A1

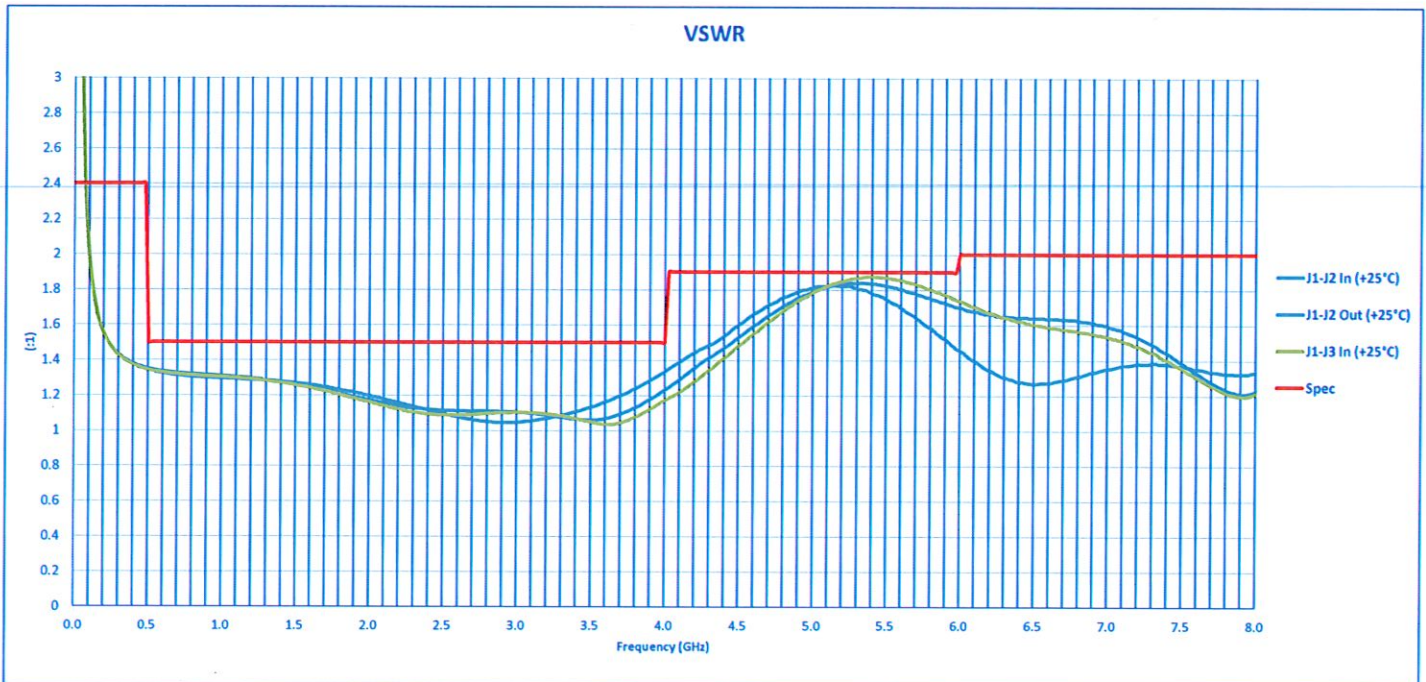
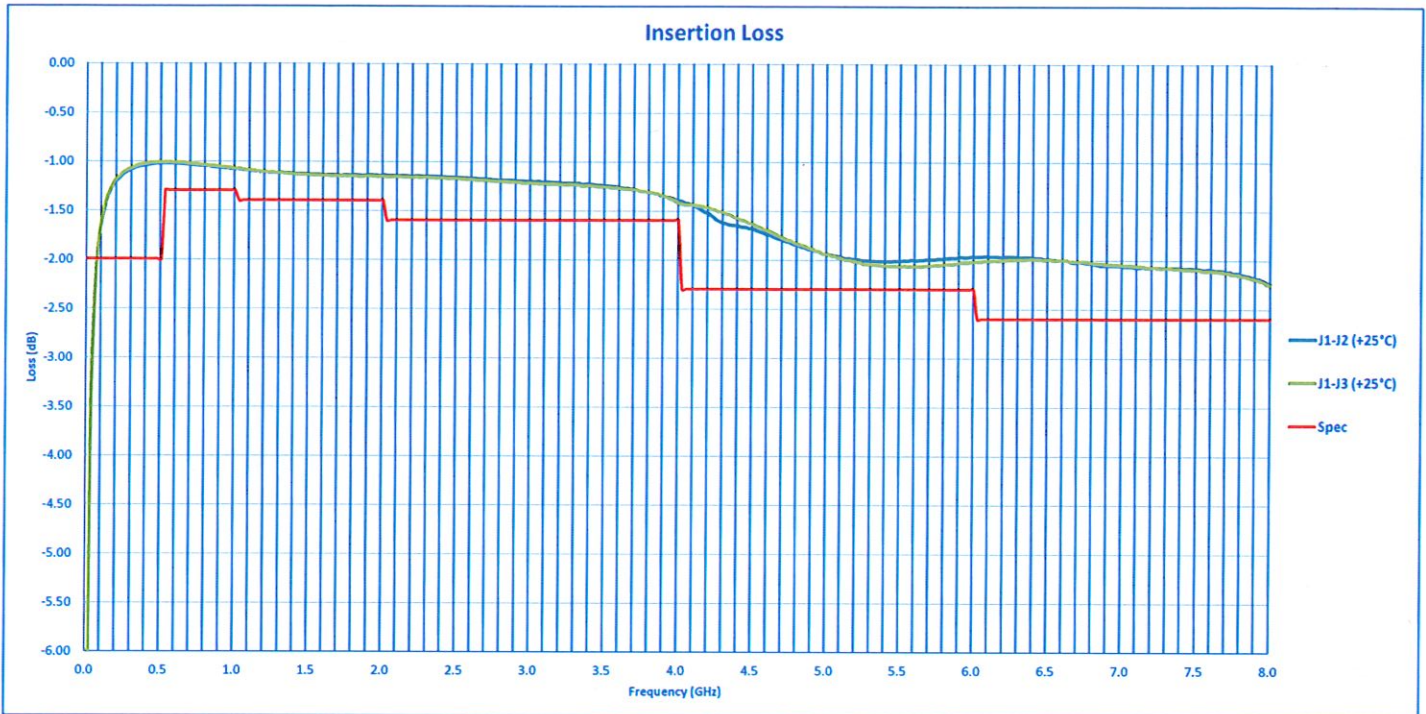
TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
			+25°C		
1	Frequency Range:	100MHz to 8.0 GHz	100 MHz to 8.0 GHz	PMI QA2	
2	RF Input Power:	50 Watts Average (Cold Switching)	Pass See Typical Characteristics		
3	Insertion Loss:	2.20 dB MAX, 1.50 dB TYP @ 100MHz - 0.5GHz 1.30 dB MAX, 0.90 dB TYP @ 0.5 - 1.0 GHz 1.40 dB MAX, 1.00 dB TYP @ 1.0 - 2.0 GHz 1.60 dB MAX, 1.30 dB TYP @ 2.0 - 4.0 GHz 2.30 dB MAX, 2.00 dB TYP @ 4.0 - 6.0 GHz 2.60 dB MAX, 2.40 dB TYP @ 6.0 - 8.0 GHz	1.67 dB 1.08 dB 1.15 dB 1.42 dB 2.07 dB 2.26 dB See Graphs		
4	Isolation:	52 dB MIN, 56 dB TYP @ 100MHz - 0.5 GHz 48 dB MIN, 52 dB TYP @ 0.5 - 1.0 GHz 42 dB MIN, 45 dB TYP @ 1.0 - 2.0 GHz 36 dB MIN, 38 dB TYP @ 2.0 - 4.0 GHz 35 dB MIN, 37 dB TYP @ 4.0 - 6.0 GHz 30 dB MIN, 33 dB TYP @ 6.0 - 8.0 GHz	56.78 dB 52.47 dB 45.76 dB 39.08 dB 37.17 dB 34.31 dB See Graphs		
5	VSWR:	2.4:1 MAX, 2.2:1 TYP @ 100MHz - 0.5 GHz 1.5:1 MAX, 1.30:1 TYP @ 0.5 - 1.0 GHz 1.5:1 MAX, 1.30:1 TYP @ 1.0 - 2.0 GHz 1.5:1 MAX, 1.30:1 TYP @ 2.0 - 4.0 GHz 1.9:1 MAX, 1.80:1 TYP @ 4.0 - 6.0 GHz 2.0:1 MAX, 1.8:1 TYP @ 6.0 - 8.0 GHz	1.96 :1 1.34 :1 1.31 :1 1.34 :1 1.87 :1 1.74 :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 100MHz 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 Pass See Typical Characteristics		
8	Power Supply:	+5 VDC @ 100 mA Maximum	+5 VDC @ 30 mA		PMI QA2

QA/QC Approval: **PMI QA2**

Date: 6/29/20



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