



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

Customer: _____
 SO No: _____
 Model No: P2T-0R5G8G-45-R-50W-AL
 Serial No: PL33919/2138

Tested By: K. Mansfield
 Temperature: +25°C
 Date: 9/22/2021
 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. @ 0.5 - 1.0 GHz 1.40 dB Max. @ 1.0 - 2.0 GHz 1.60 dB Max. @ 2.0 - 4.0 GHz 2.30 dB Max. @ 4.0 - 6.0 GHz 2.60 dB Max. @ 6.0 - 8.0 GHz	0.98 dB @ 0.5 - 1.0 GHz 1.04 dB @ 1.0 - 2.0 GHz 1.32 dB @ 2.0 - 4.0 GHz 1.84 dB @ 4.0 - 6.0 GHz 2.26 dB @ 6.0 - 8.0 GHz See Plot		
4	Isolation:	48 dB Min. @ 0.5 - 1.0 GHz 42 dB Min. @ 1.0 - 2.0 GHz 36 dB Min. @ 2.0 - 4.0 GHz 35 dB Min. @ 4.0 - 6.0 GHz 30 dB Min. @ 6.0 - 8.0 GHz	55 dB @ 0.5 - 1.0 GHz 50 dB @ 1.0 - 2.0 GHz 44 dB @ 2.0 - 4.0 GHz 40 dB @ 4.0 - 6.0 GHz 39 dB @ 6.0 - 8.0 GHz See Plot		
5	VSWR:	1.5:1 Max. @ 0.5 - 4.0 GHz 1.9:1 Max. @ 4.0 - 6.0 GHz 2.0:1 Max. @ 6.0 - 8.0 GHz	1.4:1 @ 0.5 - 4.0 GHz 1.8:1 @ 4.0 - 6.0 GHz 1.7:1 @ 6.0 - 8.0 GHz See Plot		
6	Switching Speed:	100 ns Max.	Pass See Typical Characteristics		
7	Hot Switching:	40 Watts (CW) Max. (1 KHz. 50% Duty Cycle @ 0.5 - 8 GHz) 10 Watts (CW) Max. (1 MHz. 50% Duty Cycle @ 8 GHz) 16 Watts (CW) Max. (1 MHz. 50% Duty Cycle @ 0.5 GHz)	Pass See Typical Characteristics		
8	Power Supply:	+5 VDC @ 100 mA Max.	+5 VDC @ 46 mA		PMI QA 2

QA/QC Approval:  _____
 PMI
QA 2

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