



# SUMMARY TEST DATA ON P2T-100M50G-100-512-T

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: P2T-100M50G-100-512-T  
 Serial No: PL51278/2505

Tested By: S. O'Neill  
 Temperature: +25°C  
 Date: 1/29/2025  
 Drawing No: 27641160 REV: B1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
			+25°C	
1	Frequency Range:	0.1 to 50 GHz	Spec 0.1 to 50 GHz	PMI QA2
2	Insertion Loss:	4.5 dB (0.1 to 18 GHz) Max. 6.0 dB (18 to 40 GHz) Max. 8.5 dB (40 to 50 GHz) Max.	3.25 dB	
			4.89 dB	
			6.89 dB	
			See Graphs	
3	VSWR:	2.5:1 (0.1 to 18 GHz) Max. 2.6:1 (18 to 40 GHz) Max. 2.8:1 (40 to 50 GHz) Max.	1.74 :1	
			1.74 :1	
			1.72 :1	
			See Graphs	
4	Isolation:	85 dB (1 to 18 GHz) Min. 85 dB (18 to 40 GHz) Min. 70 dB (40 to 50 GHz) Min.	94 dB	
			86.71 dB	
			78.58 dB	
			See Graphs	
5	Input Power:	20 dBm CW Max.	Pass See Typical Characteristics	
6	Switching Speed:	50 ns Max.	Pass See Typical Characteristics	
7	Control Signal:	TTL Logic "0" = J1-J2 On TTL Logic "1" = J1-J3 On	Pass	
8	DC Voltage:	+5 VDC @ 100 mA Max. -12 VDC @ 100 mA Max.	+5 VDC @ 89 mA -12 VDC @ 69 mA	PMI QA2

QA/QC Approval:

PMI  
QA2

Date: 1/31/2025



