

**SUMMARY TEST DATA  
ON  
P16T-100M50G-100-T-DEC**

Customer: \_\_\_\_\_  
SO No: \_\_\_\_\_  
Model No: P16T-100M50G-100-T-DEC  
Serial No: PL38698/2248

Tested By: S. O'Neill  
Temperature: +25° C  
Date: 6/13/2025  
Drawing No: 27635060 Rev: B1

TEST ITEM No.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC		
1	Frequency Range:	0.1 GHz to 50.0 GHz	0.1 GHz to 50.0 GHz	PMI QA2		
2	Insertion Loss:	8.0 dB @ 0.1 - 18 GHz Typ. 12.5 dB @ 18 - 40 GHz Typ. 18.0 dB @ 40 - 50 GHz Typ.	6.7 dB @ 0.1 - 18 GHz 13.8 dB @ 18 - 40 GHz 17.8 dB @ 40 - 50 GHz See Plot	PMI QA2		
3	Isolation:	70 dB @ 0.1 - 1 GHz Typ. 90 dB @ 1 - 18 GHz Typ. 80 dB @ 18 - 40 GHz Typ. 70 dB @ 40 - 50 GHz Typ.	94.1 dB @ 0.1 - 1 GHz 90.1 dB @ 1 - 18 GHz 78.6 dB @ 18 - 40 GHz 67.2 dB @ 40 - 50 GHz See Plot			
4	VSWR ON (In/Out):	2.5:1 @ 0.1 - 18 GHz Typ. 3.0:1 @ 18 - 40 GHz Typ. 3.5:1 @ 40 - 50 GHz Typ.	2.4:1 @ 0.1 - 18 GHz 1.4:1 @ 18 - 40 GHz 3.5:1 @ 40 - 50 GHz See Plot			
5	VSWR Off (Out):	2.5:1 @ 0.1 - 18 GHz Typ. 3.0:1 @ 18 - 40 GHz Typ. 3.5:1 @ 40 - 50 GHz Typ.	2.2:1 @ 0.1 - 18 GHz 2.8:1 @ 18 - 40 GHz 3.4:1 @ 40 - 50 GHz See Plot			
6	Input Power:	20 dBm CW Max.	Pass See Typical Characteristics			
7	Switching Speed:	100 ns Max.	Pass See Typical Characteristics			
8	Power Supply:	+5 V @ 1100 mA Max. -12 V @ 720 mA Max.	+5 V @ 1032 mA -12 V @ 340 mA			
9	Control Logic:	<b>Logic Table</b>				
		C1	C2		C3	C4
		0	0	0	0	J1 On
		0	0	0	1	J2 On
		0	0	1	0	J3 On
		0	0	1	1	J4 On
		0	1	0	0	J5 On
		0	1	0	1	J6 On
		0	1	1	0	J7 On
		0	1	1	1	J8 On
		1	0	0	0	J9 On
		1	0	0	1	J10 On
		1	0	1	0	J11 On
		1	0	1	1	J12 On
		1	1	0	0	J13 On
		1	1	0	1	J14 On
1	1	1	0	J15 On		
1	1	1	1	J16 On		

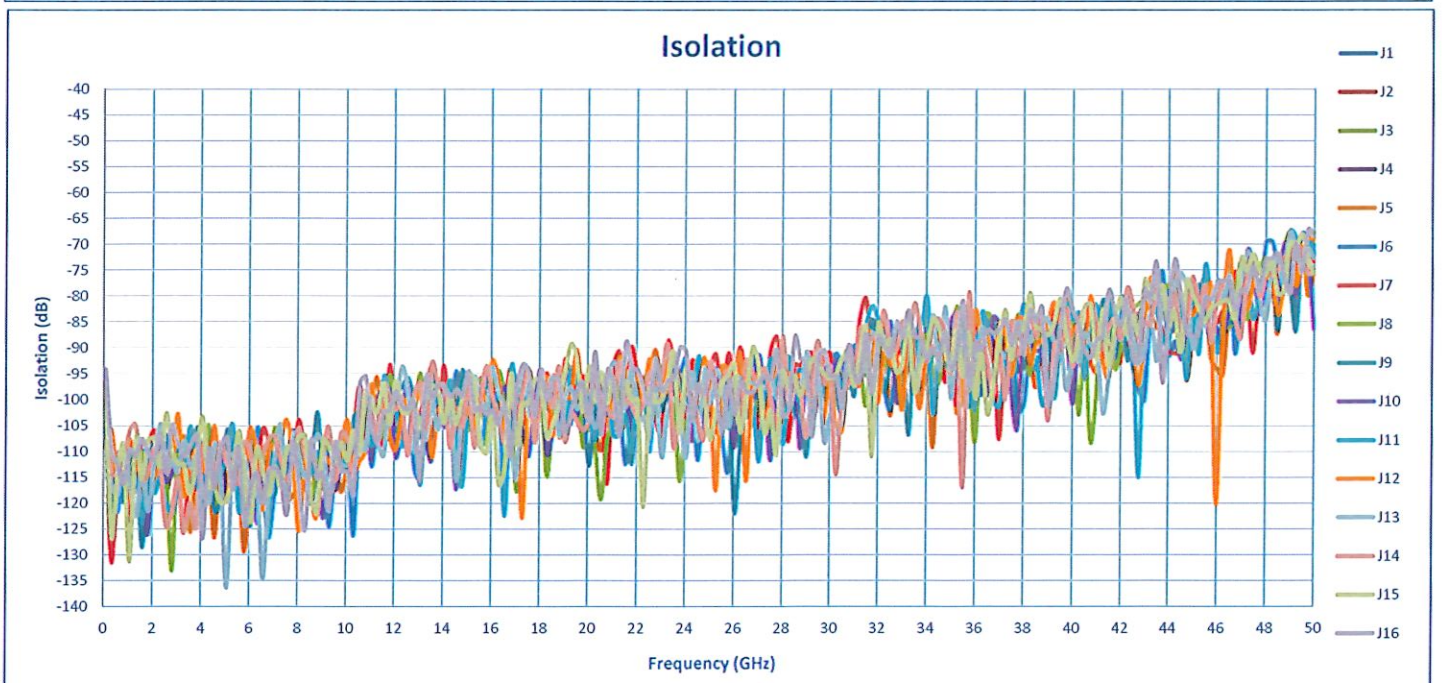
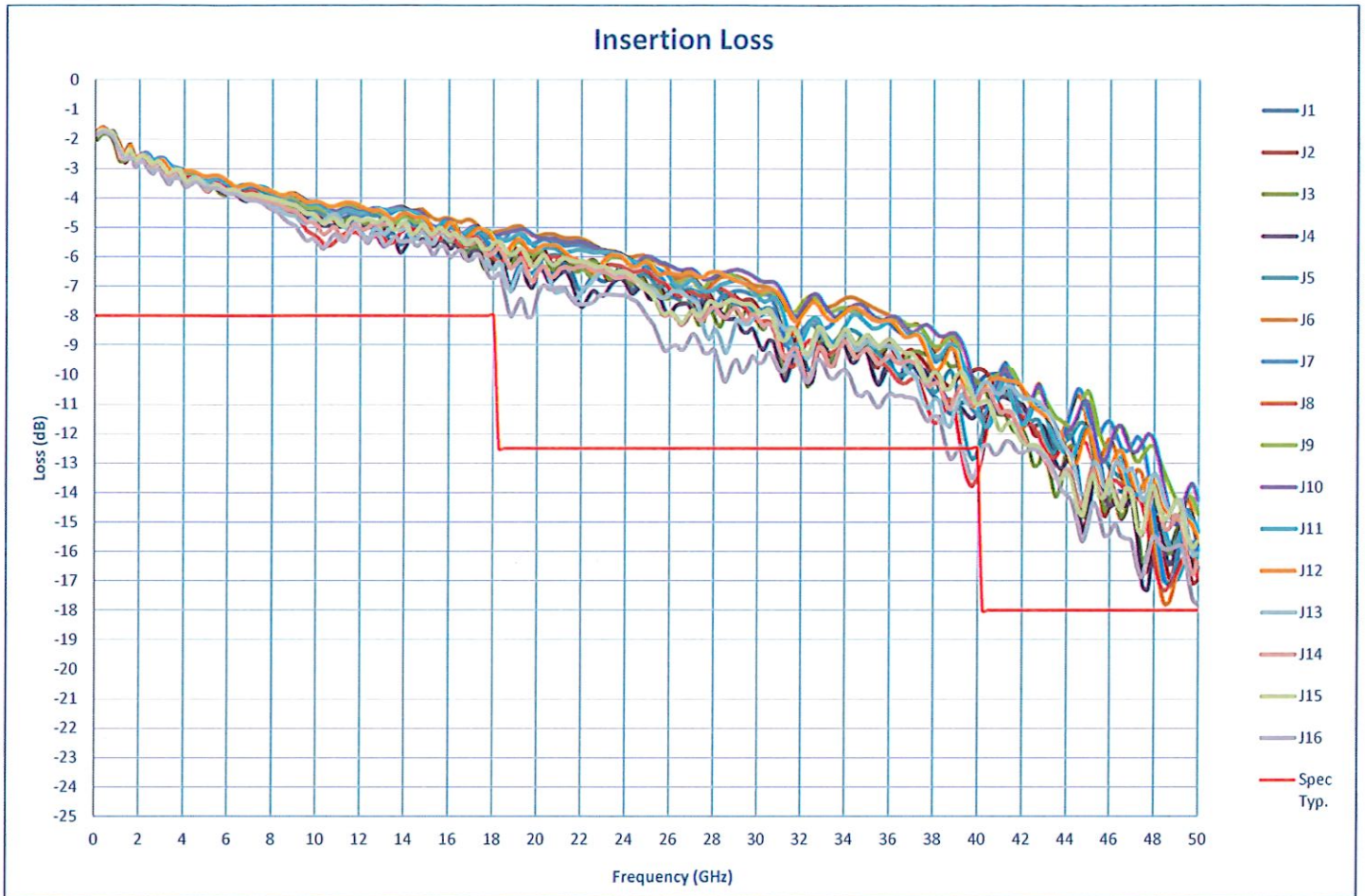
QA/QC Approval:   \_\_\_\_\_

PMI QA2

Date: 6/13/2025

PMI QA2

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