

**Typical Characteristics
ON
P2T-100M56G-100-T**

Customer: _____
SO No: _____
Model No: **P2T-100M56G-100-T**
Serial No: **PL42617/2343**

Tested By: **Alfredo Lopez**
Temperature: **+25°C**
Date: **10/30/2023**
Drawing No: **27641420** Rev: **A2**

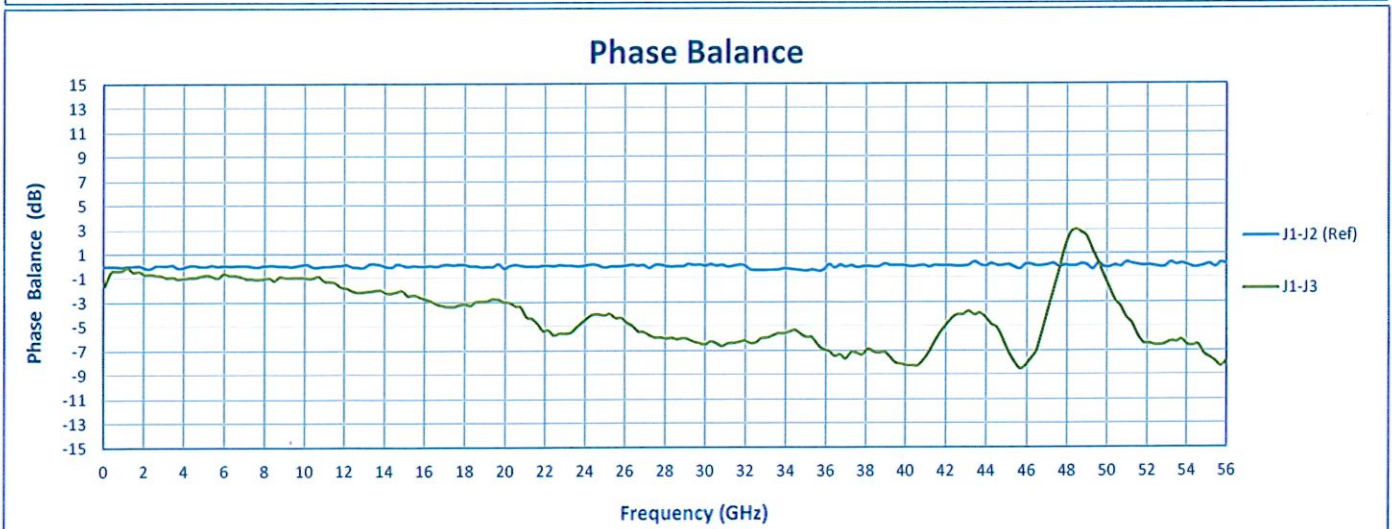
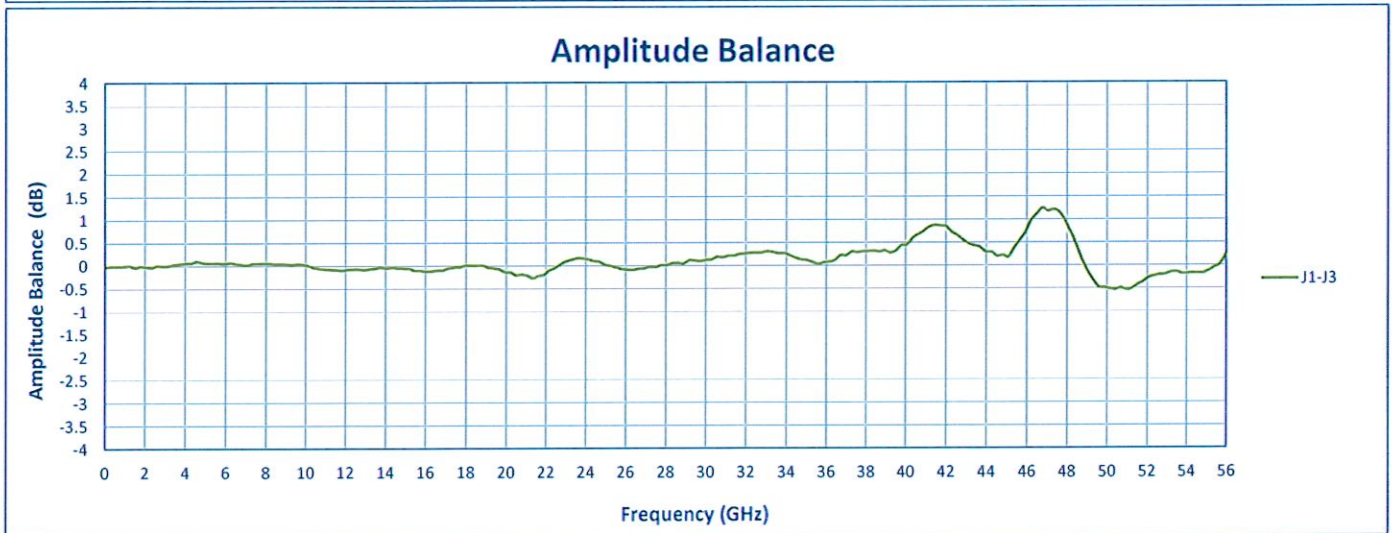
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
			+25°C	
1	Frequency Range:	100 MHz to 56 GHz	100 MHz to 56 GHz	PMI QA2
2	Insertion Loss:	5.0 dB (0.1 to 18 GHz) Max.	3.39 dB	
		6.0 dB (18 to 40 GHz) Max.	5.75 dB	
		9.0 dB (40 to 52 GHz) Max.	8.45 dB	
		14.0 dB (52 to 56 GHz) Max.	11.07 dB	
			See Graphs	
3	VSWR:	2.2:1 (0.1 to 18 GHz) Typ.	2.43 :1	
		2.5:1 (18 to 40 GHz) Typ.	2.64 :1	
		3.0:1 (40 to 52 GHz) Typ.	2.89 :1	
			See Graphs	
4	Isolation:	70 dB (0.1 to 1 GHz) Typ.	93.68 dB	
		100 dB (0.1 to 18 GHz) Typ.	97.1 dB	
		100 dB (18 to 40 GHz) Typ.	80.2 dB	
		80 dB (40 to 52 GHz) Typ.	78.69 dB	
		80 dB (52 to 56 GHz) Typ.	78.04 dB	
		See Graphs		
5	Input Power:	20 dBm CW Max.	Pass See Typical Characteristics	
6	Video Transients:	800 mV Typ.	Pass See Typical Characteristics	
7	Amplitude Balance:	0.5 dB (0.1 TO 18 GHz) Max.	0.13 dB	
		0.8 dB (18 TO 40 GHz) Max.	0.45 dB	
		1.3 dB (40 TO 56 GHz) Max.	1.24 dB	
			See Graphs	
8	Phase Balance:	5° (0.1 TO 18 GHz) Max.	3.4 dB	
		10° (18 TO 52 GHz) Max.	8.25 dB	
		15° (52 TO 56 GHz) Max.	8.52 dB	
			See Graphs	
9	Switching Speed:	50 ns Max.	Pass See Typical Characteristics	
10	DC Voltage:	+5 VDC @ 100 mA Max.	+5 VDC @ 86 mA	PMI QA2
		-5 VDC @ 100 mA Max.	-5 VDC @ 62 mA	

QA/QC Approval: 

PMI
QA2

Date: 10/30/2023

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