



SUMMARY TEST DATA ON PEC-40/25-218-21-12-SFF-TTLVG

Customer: _____
 SO No: _____
 Model No: PEC-40/25-218-21-12-SFF-TTLVG
 Serial No: PL24849/1907

Tested By: K. Mansfield
 Temperature: +25°C
 Date: 2/26/2019
 Drawing No: 27605737 REV: B1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC	
1	Frequency Range:	2 GHz to 18 GHz	2 GHz to 18 GHz	PMI QA 1	
2	Max Gain @ Max Gain Position: Min Gain @ Max Gain Position: Max Gain @ Min Gain Position: Min Gain @ Min Gain Position:	+42 dB Max. +38 dB Min. +27 dB Max. +23 dB Min.	41.9 dB 38.8 dB 27 dB 23.6 dB See Plots		
3	Pout @ 1 dB Compression Max Gain Position: Min Gain Position:	+21 dBm Min. +20 dBm Min.	Pass See Typical Characteristics		
4	Psat (Both Gains) Over Operating Temperature Range	+26 dBm Max.	Pass See Typical Characteristics		
5	Noise Max gain Position: Min Gain Position:	+4.5 dB Max. +7.0 dB Max.	Pass See Typical Characteristics		
6	VSWR: In/Out	2.0:1 Max.	1.6:1 In 1.7:1 Out See Plots		
7	Input/Output Impedance:	50 Ω Nominal	50 Ω See Typical Characteristics		
8	Input Power: (Without Damage)	+20 dBm CW Max.	+20 dBm Pass		
9	In-Band Harmonics: @ or below the 1 dB Compression Point	-10 dBc Min.	>-10 dBc See Typical Characteristics		
10	Pulse Rise Time: with input signals up to 20 dBm	<5 ns	<5 ns See Typical Characteristics		
11	Pulse Overshoot: with input signals up to 20 dBm	<0.5 dB	<0.5 dB See Typical Characteristics		
12	Pulse Droop: with pulses up to 250 μs in duration input signals up to -20 dBm	<2.0 dB	<2.0 dB See Typical Characteristics		
13	Pulse Recovery Time: with pulses up to 250 μs in duration input signals up to -20 dBm	15 ns	<15 ns See Typical Characteristics		
14	Gain Switching Time:	<500 ns	<500 ns See Typical Characteristics		
15	Gain Switch Control:	TTL High "1" - Max Gain TTL Low "0" - Min Gain	Pass		
16	DC Supply:	780 mA Max. @ +12 V ±5% Max Gain Position 610 mA Max. @ +12 V ±5% Min Gain Position	366 mA Max Gain Position 366 mA Min Gain Position		PMI QA 1

QA/QC Approval:  PMI QA 1 Date: 2/26/19



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