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

Customer: [redacted]
SO No: [redacted]
Model No: PEC-40/25-218-21-12-SFF-TTLVG
Serial No: PL28728/2017

Tested By: K. Mansfield
Temperature: +25°C
Date: 4/23/2020
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 26.8 dB 23.5 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 1.4:1 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	342 mA Max Gain Position 342 mA Min Gain Position	PMI QA 1

QA/QC Approval: PMI QA 1 Date: 4/23/20

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Email: sales@pmi-rf.com

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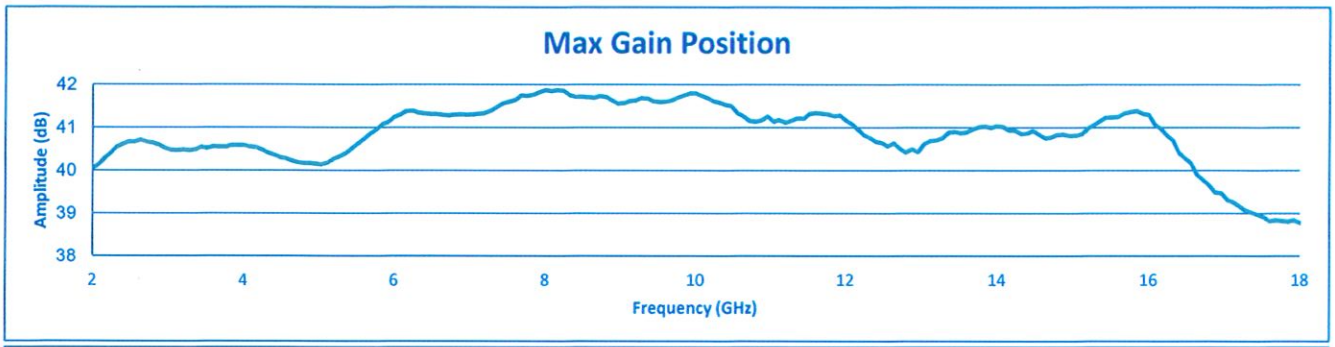
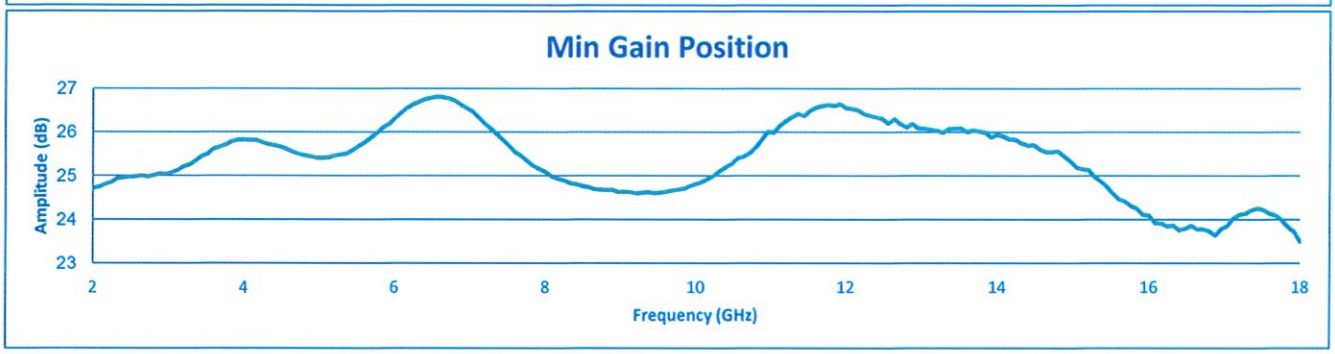
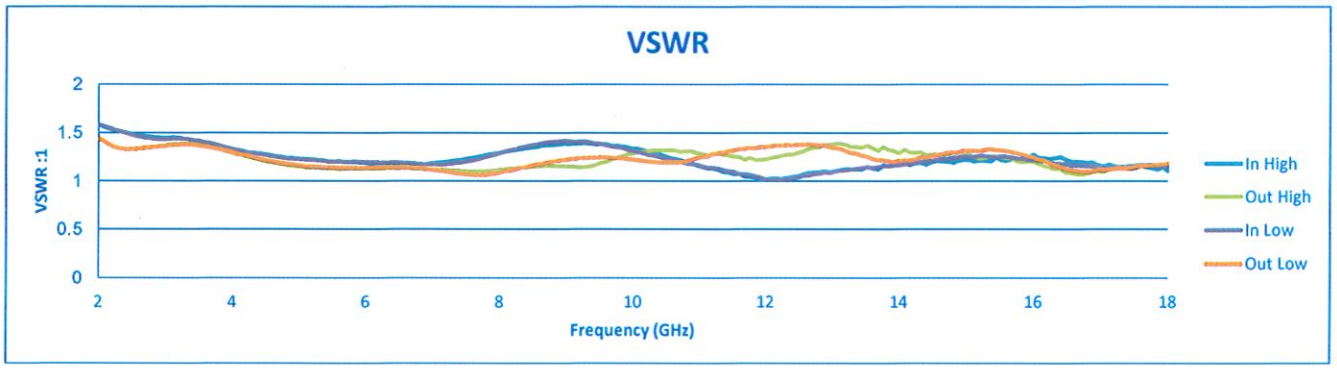
PL28728/2017







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