

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

Customer: _____
SO No: _____
Model No: PEC-40/25-218-21-12-SFF-TTLVG Rev B
Serial No: PL62229/2637

Tested By: N. Hernandez
Temperature: -25°C, +25°C, +75°C
Date: 9/9/2026
Drawing No: 27605737 REV: B1

Test Item No.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA/QC
1	Frequency Range:	2 – 18 GHz	2 – 18 GHz	PMI QA6
2	Gain @ -25°C: Max. Gain Position Min. Gain Position	+42dB ± 2.0dB Max +27dB ± 2.0dB Max	42.69 dB Max, 40.47 dB Min 26.31 dB Max, 25.26 dB Min	< 40 dB < 25 dB
3	Gain @ +25°C: Max. Gain Position Min. Gain Position	+40dB ± 2.0dB Max +25dB ± 2.0dB Max	41.04 dB Max, 39.42 dB Min 25.68 dB Max, 24.73 dB Min	PMI QA6
4	Gain @ +75°C: Max. Gain Position Min. Gain Position	+37dB ± 2.0dB Max +22dB ± 2.0dB Max	39.52 dB Max, 37.61 dB Min 24.68 dB Max, 23.4 dB Min	> 39 dB > 24 dB
5	Pout @ 1dB Compression @ -25°C: Max. Gain Position Min. Gain Position	+21dBm Min. +20dBm Min.	24.9 dB Min 24.5 dB Min	PMI QA6
6	Pout @ 1dB Compression @ +25°C: Max. Gain Position Min. Gain Position	+21dBm Min. +20dBm Min.	24.9 dB Min 24.1 dB Min	
7	Pout @ 1dB Compression @ +75°C: Max. Gain Position Min. Gain Position	+20dBm Min. +20dBm Min.	24.8 dB Min 23.7 dB Min	PMI QA6
8	Saturated Output Power (Both Gains) Over Operating Temperature Range:	+26dBm. Max.	+26dBm.	> 26 dB
9	Noise @ -25°C: Max. Gain Position Min. Gain Position	+3.8 dB Max. +6.0 dB Max.	3.57 dB Max 4.03 dB Max	PMI QA6
10	Noise @ +25°C: Max. Gain Position Min. Gain Position	+4.5 dB Max. +7.0 dB Max.	4.27 dB Max 4.52 dB Max	
11	Noise @ +75°C: Max. Gain Position Min. Gain Position	+5.0 dB Max. +8.0 dB Max.	4.79 dB Max 5.07 dB Max	
12	VSWR In/Out:	2.0:1 Max.	1.65:1 dB (In) 1.78:1 dB (Out) -25C 1.66:1 dB (In) 1.66:1 dB (Out) +25C 1.69:1 dB (In) 1.68:1 dB (Out) +75C	
13	Input/Output Impedance:	50Ω Nominal	50Ω Nominal	
14	Input Power Without Damage	+20dBm CW Max	+20dBm CW Max	
15	In-Band Harmonics @ or below the 1dB Compression Point	-10dBc Min.	-10dBc	
16	Pulse Rise Time with Input Signals up to -20dBm	<5ns	<5ns By Design	
17	Pulse Overshoot with Input Signals up to -20dBm	<0.5dB	<0.5dB By Design	PMI QA6

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ON
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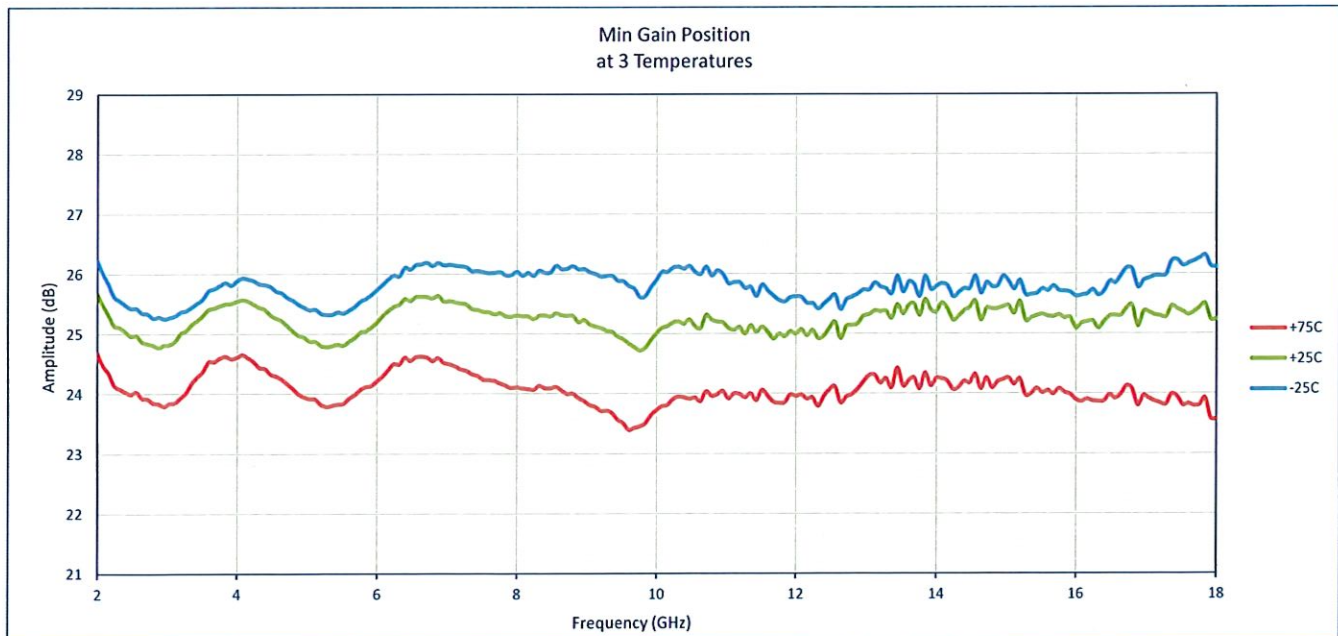
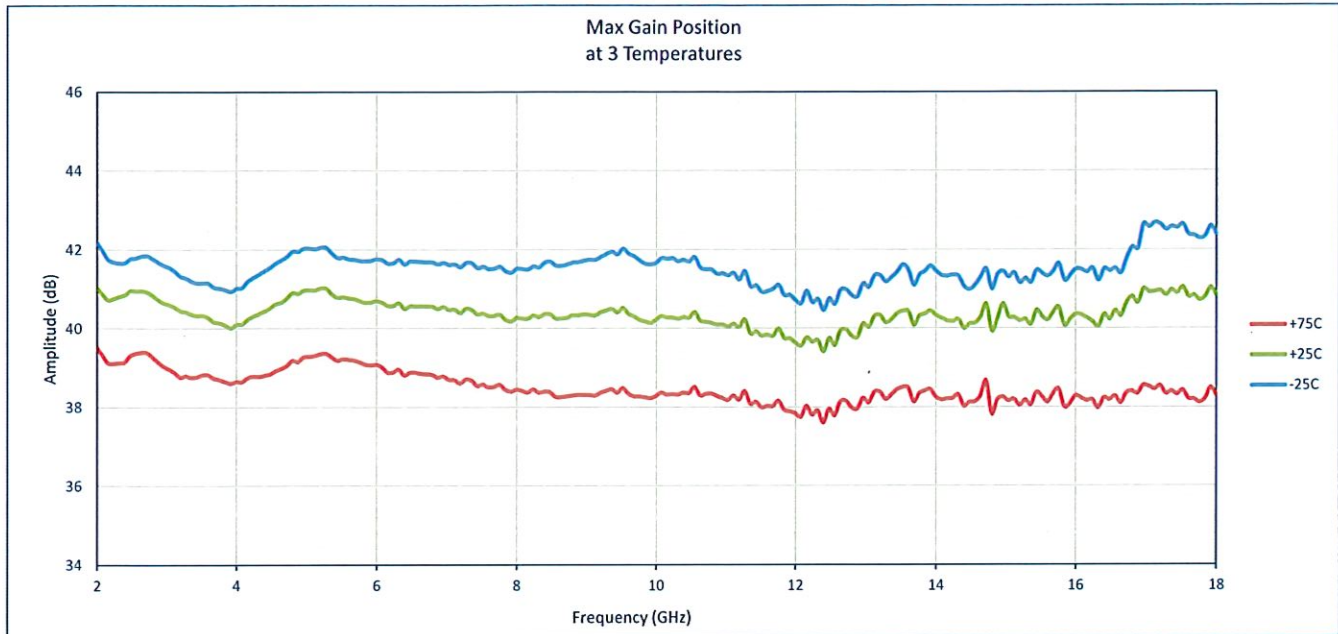
18	Pulse Droop with pulses up to 250u in Duration and Input Signals up to -20dBm	<2.0dB	<2.0dB By Design	PMI QA6
19	Pulse Recovery Time with pulses up to 250u in Duration and Input Signals up to -20dBm	15ns	15ns By Design	
20	Gain Switching Time	<500ns	226ns	
21	Gain Switch Control:	TTL High "1" - Max. Gain TTL Low "0" - Min. Gain	TTL High "1" - Max. Gain TTL Low "0" - Min. Gain	
22	DC Supply:	780mA Max@ +12V ±5% Max Gain Position. 610mA Max@ +12V ± 5% Min Gain Position.	460mA Max Gain	PMI QA6
			455mA Min Gain	
			460mA Max Gain	
			456mA Min Gain	
			465mA Max Gain	
			460mA Min Gain	

QA/QC Anthony Karoly PMI QA6

DATE: 9/10/26

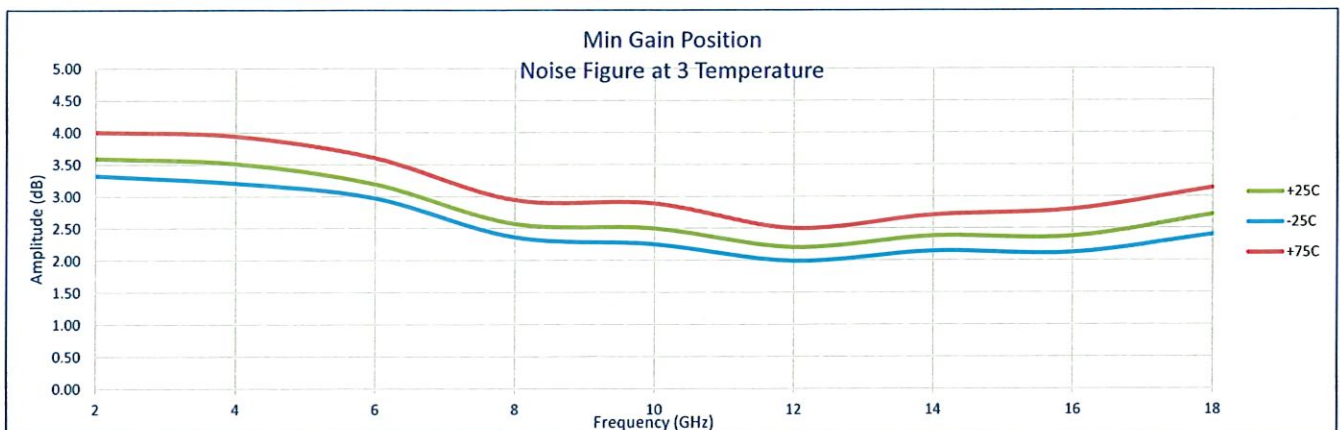
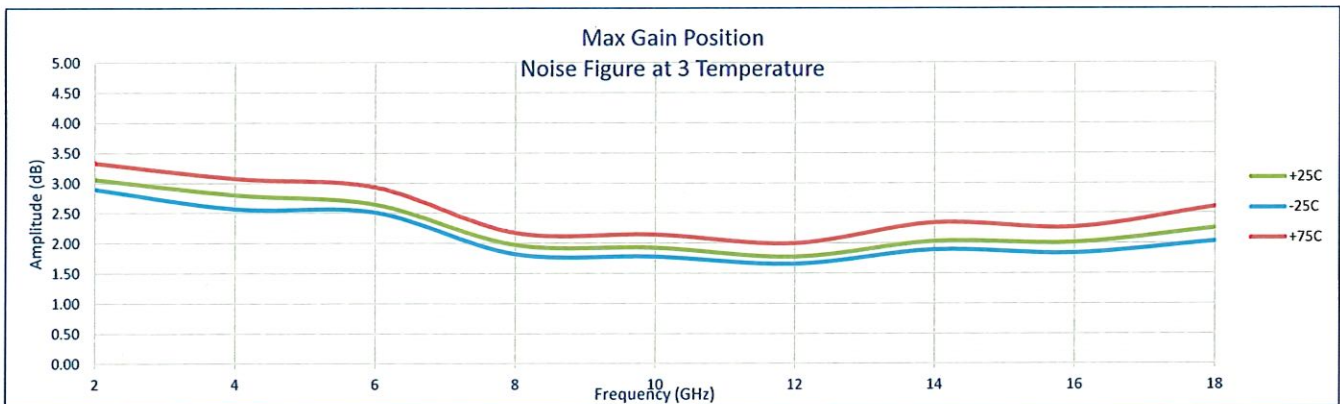
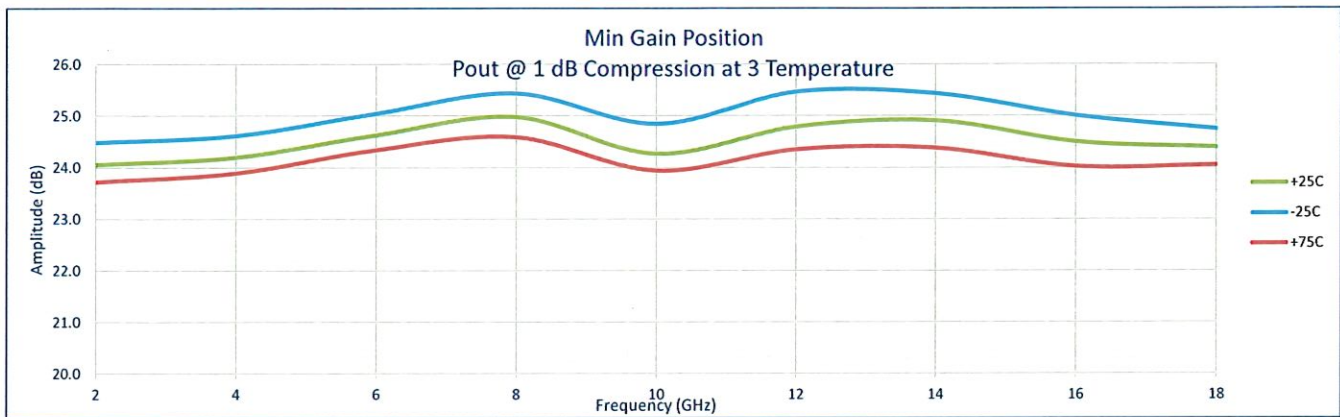
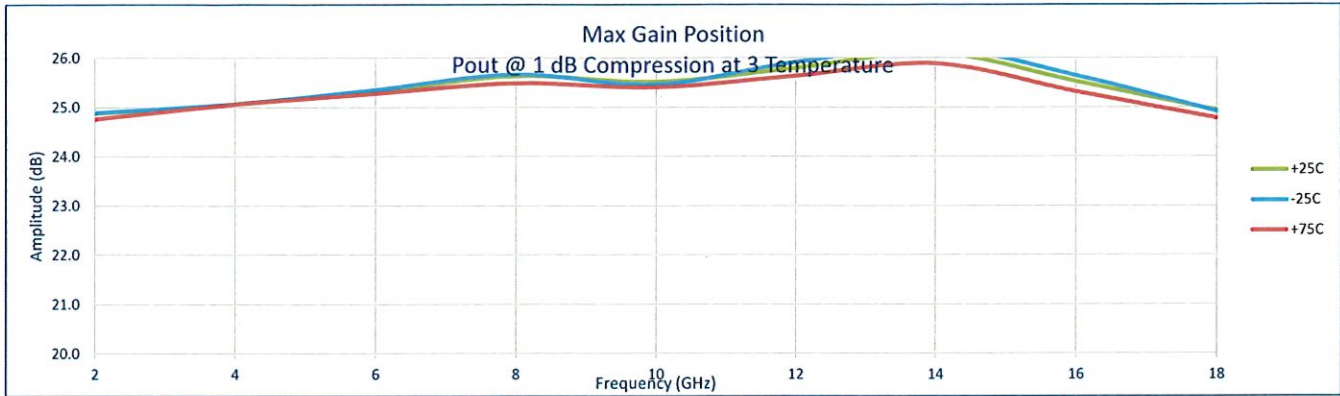
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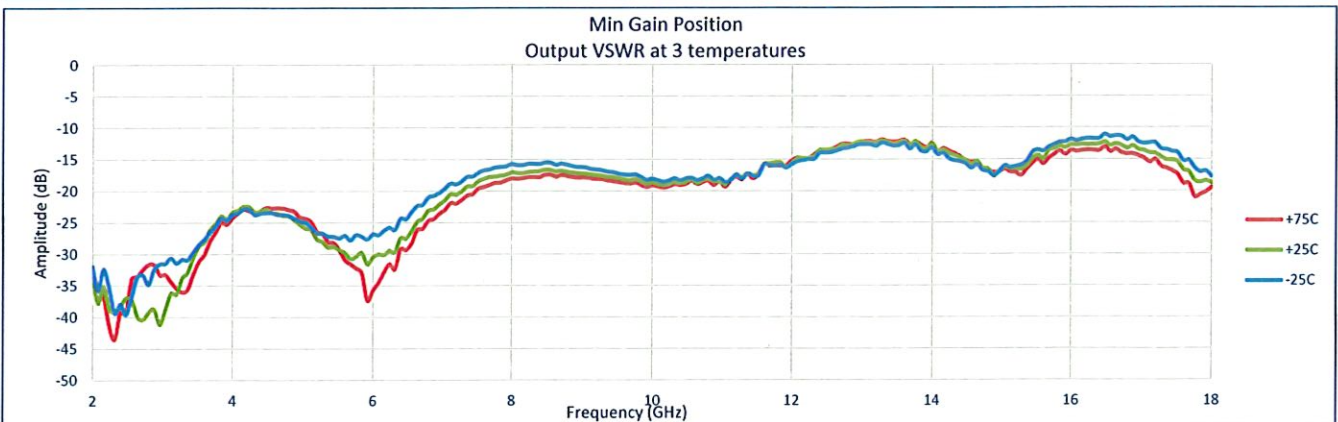
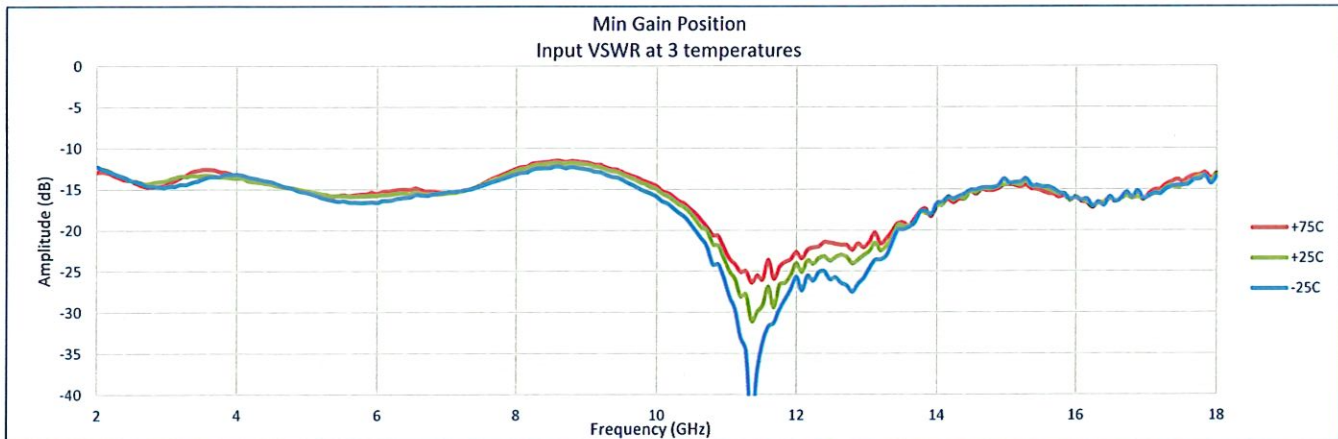
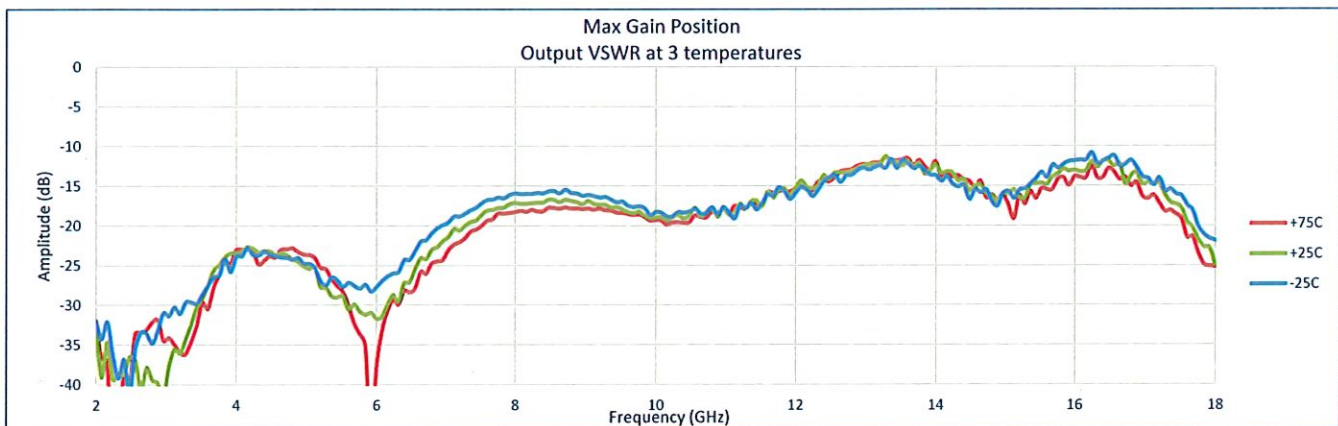
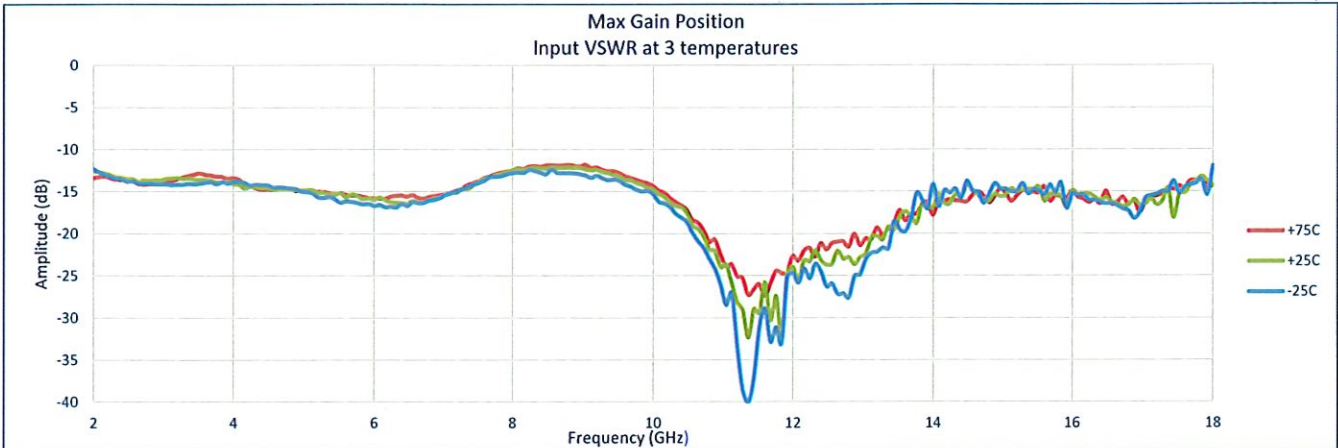
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