



**SUMMARY TEST DATA
ON
PE2-26-2G18G-5-21-12-SFF-DP**

Customer: _____
 SO No: _____
 Model No: PE2-26-2G18G-5-21-12-SFF-DP
 Serial No: PL40057/2313

Tested By: E. Kretz
 Temperatures: -55°C, +25°C, +85°C
 Date: 3/29/2023
 Drawing No: 27633170 Rev: B2

Test Item	Parameters	Specified Value	Results			Pass/Fail	QA QC
			-55°C	+25°C	+85°C		
1	Frequency Range:	2.0 to 18.0 GHz	2.0 to 18.0 GHz			Pass See Plots	PMI QA2
2	Nominal Gain:*	26 dB	26.8 dB	26.4 dB	26 dB	Pass See Plot	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	2.1 dB -0.6 dB	1.7 dB -1 dB	1.4 dB -1.5 dB	Pass See Plot	
4	Gain Flatness:*	±1.5 dB (Relative to Nominal Gain)	±1.3 dB	±1.4 dB	±1.5 dB	Pass See Plot	
5	Noise Figure: ²	5.0 dB Max.	3.2 dB	3.7 dB	4 dB	Pass See Plot	
6	OP1dB: ²	+21 dBm Min. +25 dBm Goal	22.3 dBm	22.5 dBm	22.3 dBm	Pass See Plot	
7	OIP2: ³	+37 dBm Min.		41.4 dBm		Pass See Table	
8	OIP3: ³	+30 dBm Min.		31.6 dBm		Pass See Table	
9	Input VSWR:*	2.0:1 Max.		1.3:1		Pass See Plot	
10	Output VSWR:*	2.0:1 Max. (2.0 to 15.0 GHz)		1.4:1		Pass See Plot	
		2.8:1 Max. (15.0 to 18.0 GHz)	1.8:1	Pass See Plot			
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	367 mA	394 mA	415 mA	Pass	PMI QA2

* Gain and Gain Flatness shall be measured with 100 MHz steps (201 Points Minimum)

² Noise Figure and OP1dB shall be measured with 1 GHz steps

³ OIP2 and OIP3 shall be measured with 2 GHz steps

Capture all S-parameters (S11, S22, S12, S21) over all the specified frequencies and temperatures & round to one decimal digit on summary table above.

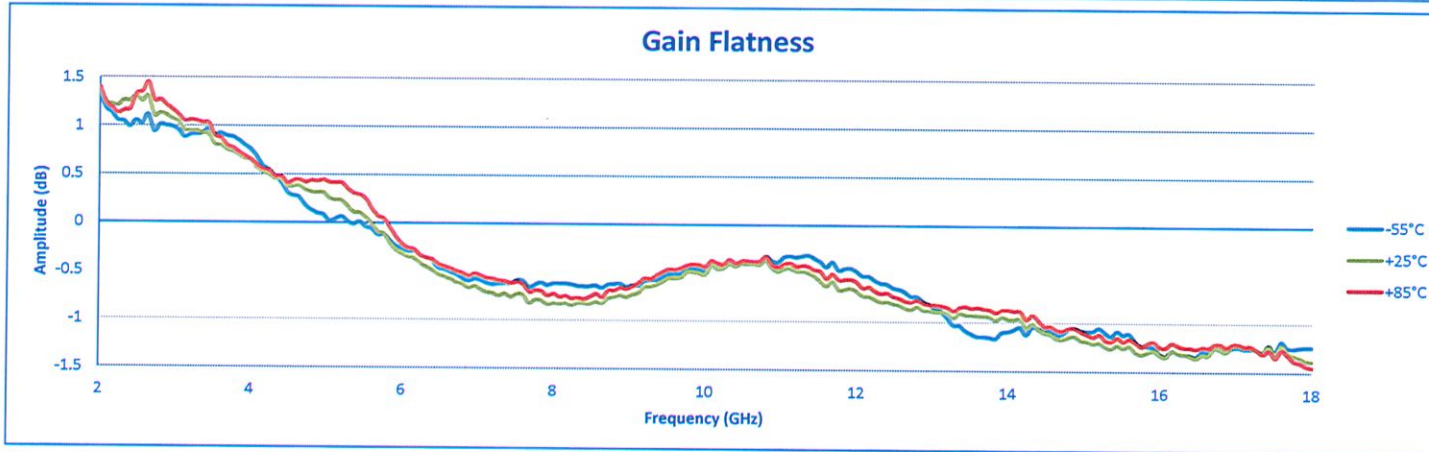
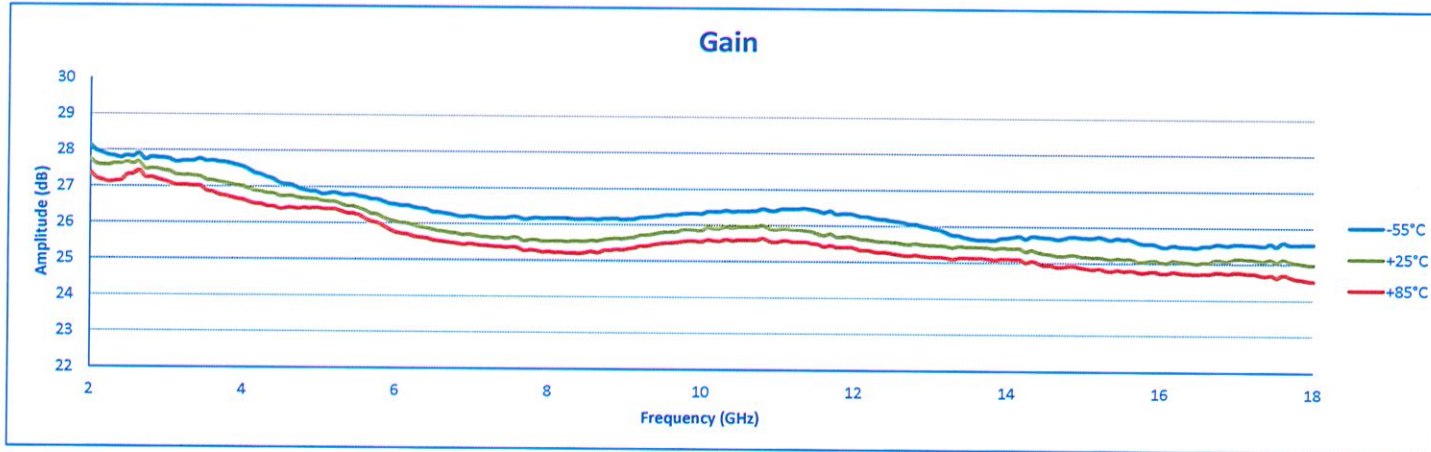
QA/QC Approval: *[Signature]* Date: 3/30/2023

7311-F Grove Road, Frederick, MD 21704 USA
 Phone: (301) 662-1731
 Email: sales@pmi-f.com



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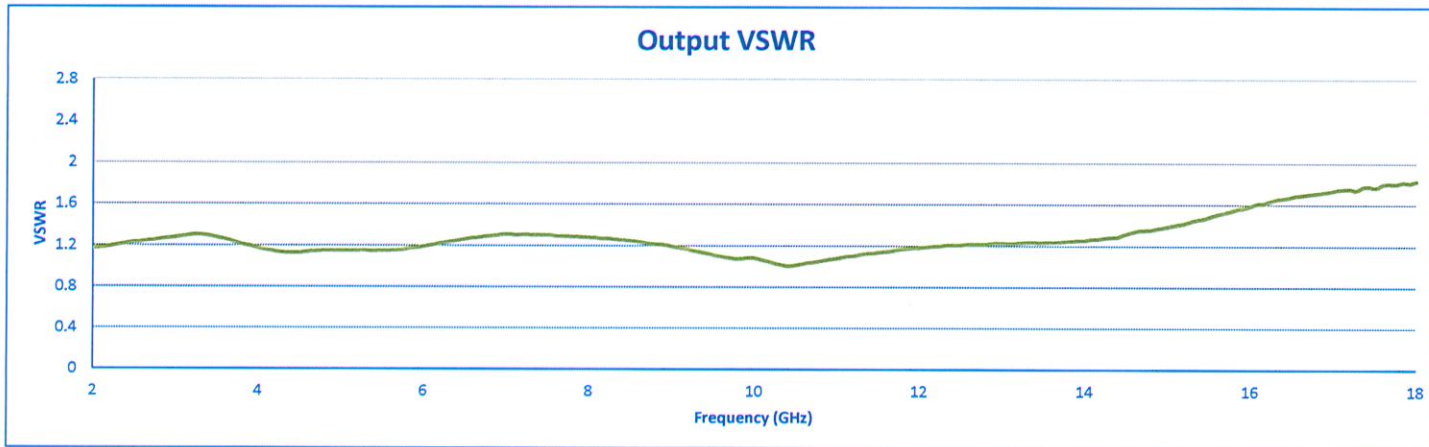
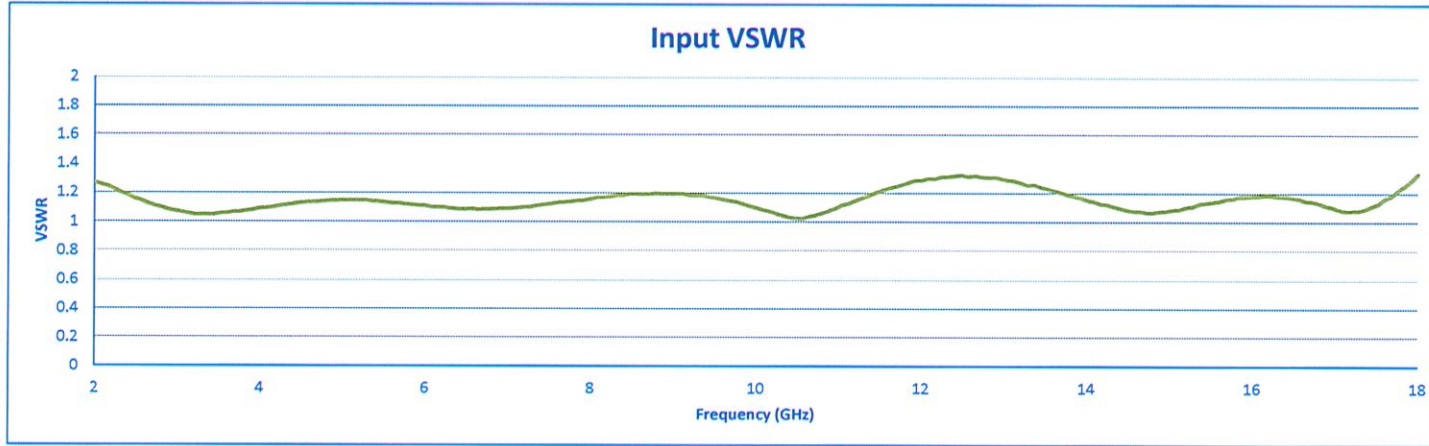


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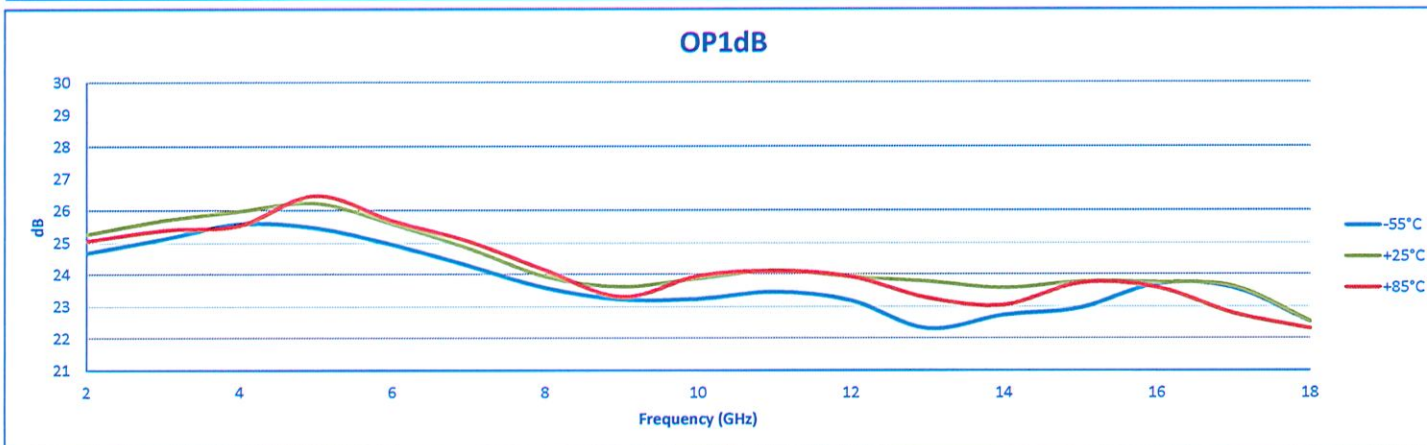
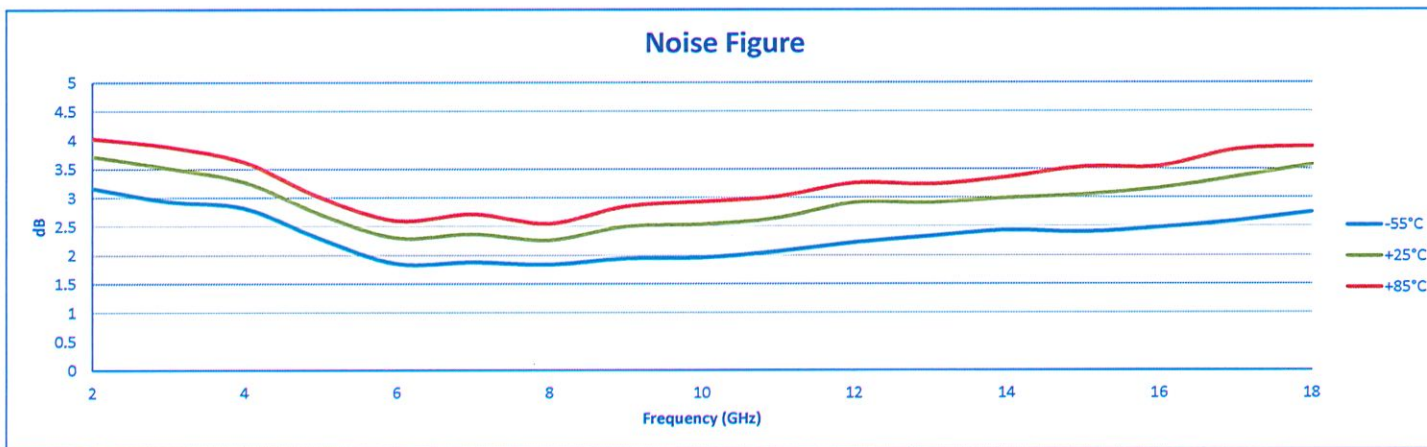


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<u>Freq</u> <u>(GHz)</u>	<u>IP3</u> <u>(dBm)</u>	<u>IP2</u> <u>(dBm)</u>
2	38.4	43.4
4	38.3	46.4
6	37.3	42.9
8	35.5	41.4
10	32.9	46.5
12	33.6	51.8
14	31.6	48.9
16	32.7	47.5
18	32.3	48.2

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