



**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: PL40055/2313

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	26.8 dB	26 dB	Pass See Plot	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	1.9 dB -0.3 dB	1.9 dB -0.4 dB	1.3 dB -1.4 dB	Pass See Plot	
4	Gain Flatness:*	±1.5 dB (Relative to Nominal Gain)	±1.1 dB	±1.1 dB	±1.3 dB	Pass See Plot	
5	Noise Figure: ²	5.0 dB Max.	3.3 dB	3.8 dB	4 dB	Pass See Plot	
6	OP1dB: ²	+21 dBm Min. +25 dBm Goal	23 dBm	23.2 dBm	22.1 dBm	Pass See Plot	
7	OIP2: ³	+37 dBm Min.	37 dBm	30.1 dBm	1.4:1	Pass See Table	
8	OIP3: ³	+30 dBm Min.				Pass See Table	
9	Input VSWR:*	2.0:1 Max.				Pass See Plot	
10	Output VSWR:*	2.0:1 Max. (2.0 to 15.0 GHz)	1.4:1	1.9:1	1.4:1	Pass See Plot	
		2.8:1 Max. (15.0 to 18.0 GHz)				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]

PMI
QA2

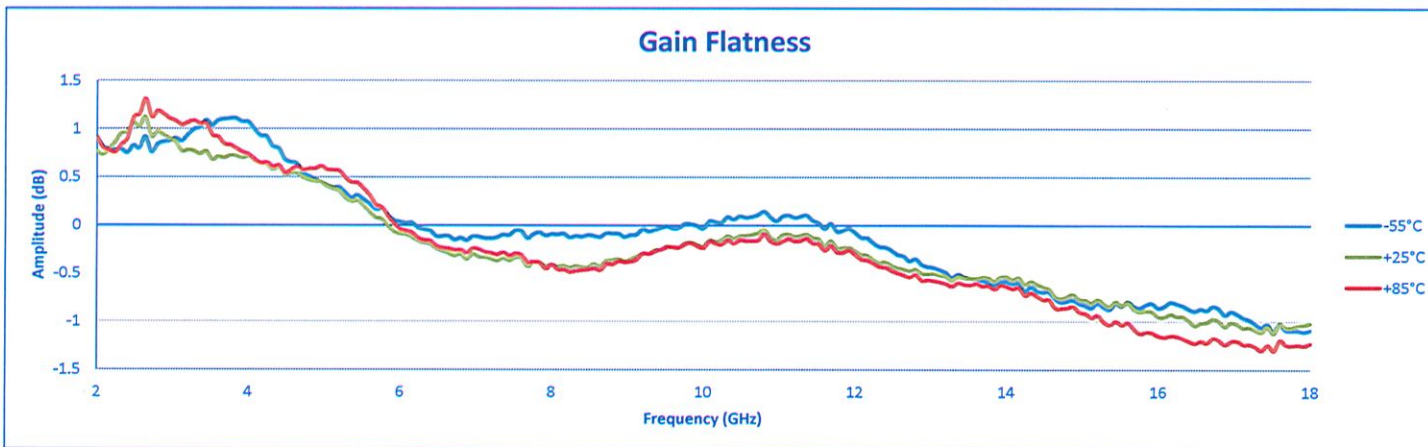
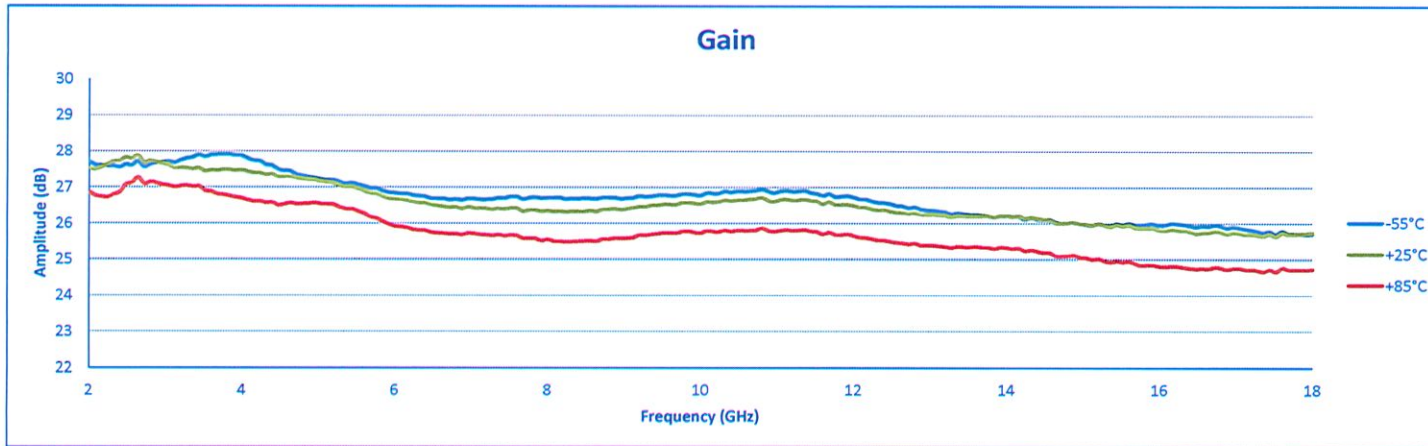
Date: 3/30/2023

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



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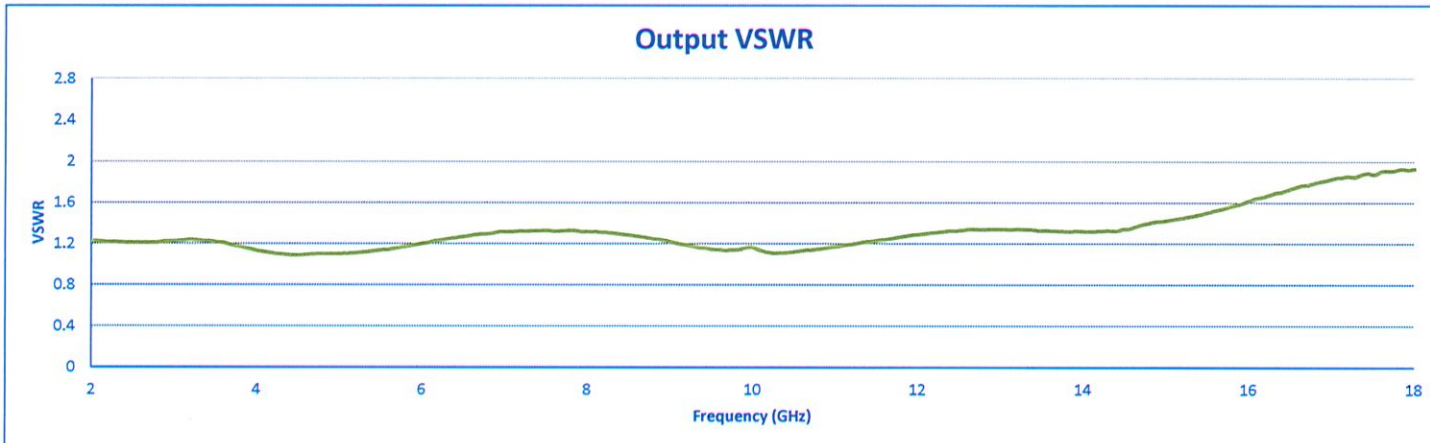
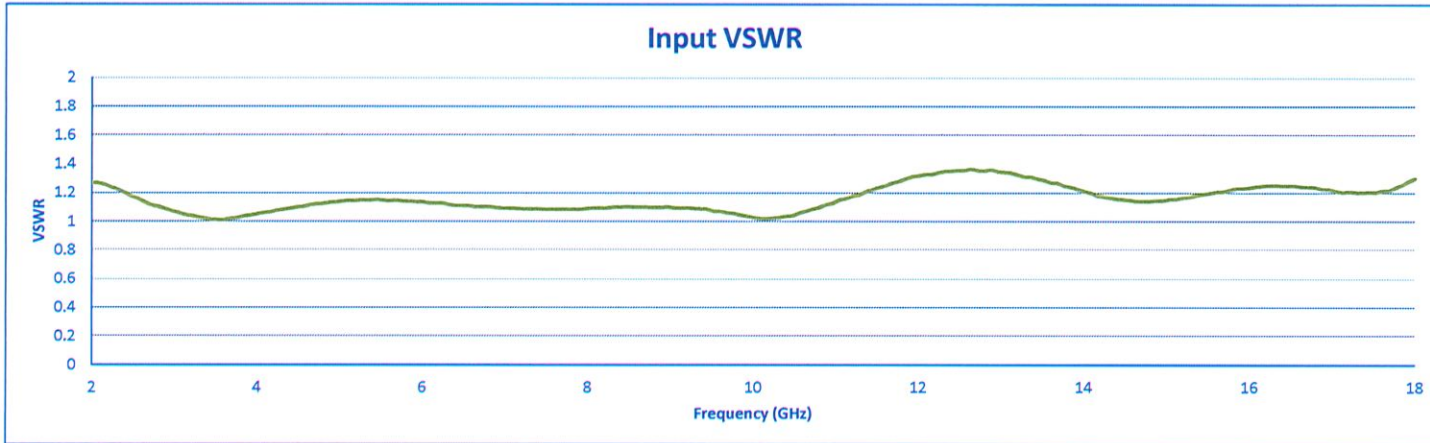


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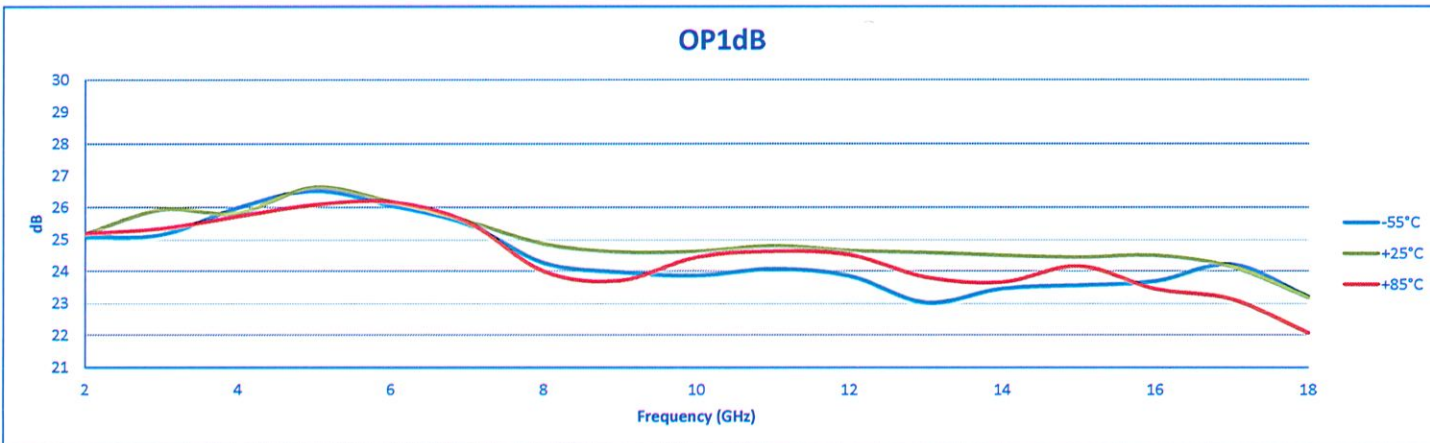
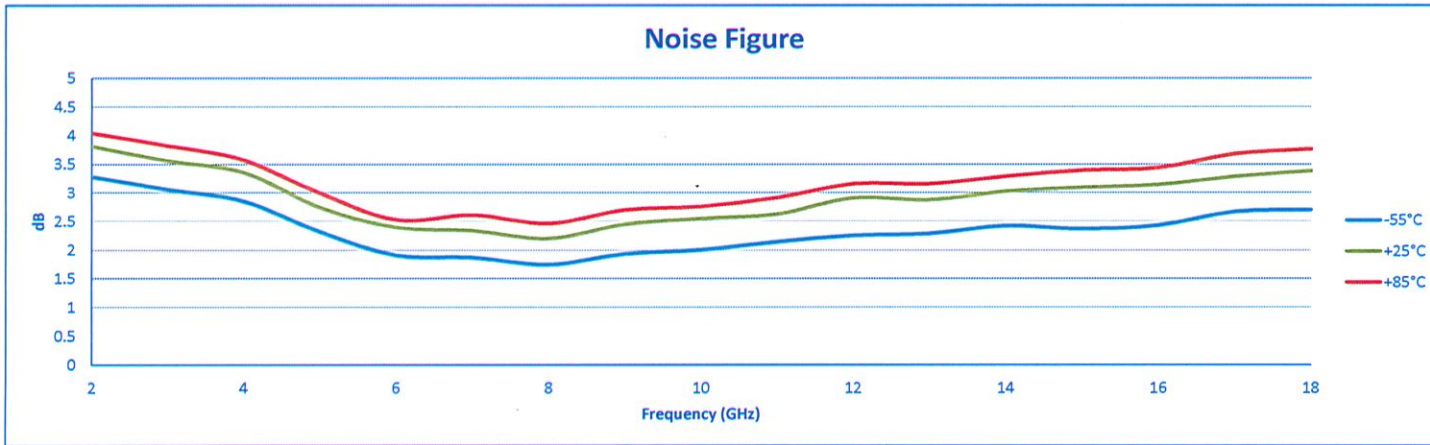


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<u>Freq</u> <u>(GHz)</u>	<u>IP3</u> <u>(dBm)</u>	<u>IP2</u> <u>(dBm)</u>
2	37.5	39.8
4	36.2	37.7
6	33.9	39
8	30.9	37
10	30.1	40.6
12	30.8	47.7
14	30.9	50.6
16	30.4	46.9
18	31	48.2

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