



**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: PL22108/1805

Tested By: K. Mansfield  
 Temperatures: -55°C, +25°C, +85°C  
 Date: 2/13/2018  
 Drawing No: 27633170 Rev: B1

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	PMI QA 2
2	Nominal Gain:*	26 dB	26 dB	26.2 dB	25.4 dB	Pass	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	+0.6 dB -0.5 dB	+0.7 dB -0.2 dB	-0.1 dB -1.1 dB	Pass	
4	Gain Flatness:*	±1.5 dB (Relative to Nominal Gain)	±0.5 dB	±0.4 dB	±0.5 dB	Pass	
5	Noise Figure: <sup>2</sup>	5.0 dB Max.	3.2 dB	3.8 dB	4.3 dB	Pass	
6	OP1dB: <sup>2</sup>	+21 dBm Min. +25 dBm Goal	+24.4 dBm	+23.7 dBm	+22.7 dBm	Pass	
7	OIP2: <sup>3</sup>	+37 dBm Min.		+41 dBm		Pass	
8	OIP3: <sup>3</sup>	+30 dBm Min.		+35 dBm		Pass	
9	Input VSWR:*	2.0:1 Max.		1.3:1		Pass	
10	Output VSWR:*	2.8:1 Max.		2.5:1		Pass	
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	365 mA	397 mA	411 mA	Pass	PMI QA 2

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

<sup>2</sup> Noise Figure and OP1dB shall be measured with 1 GHz steps

<sup>3</sup> OIP2 and OIP3 shall be measured with 2 GHz steps

QA/QC Approval: 

PMI  
QA 2



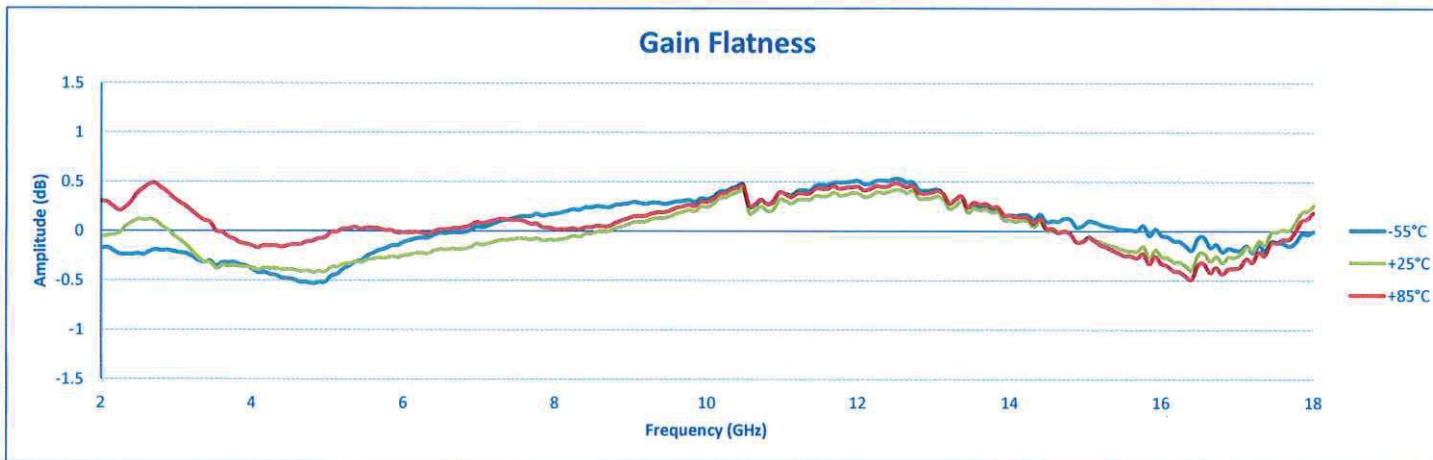
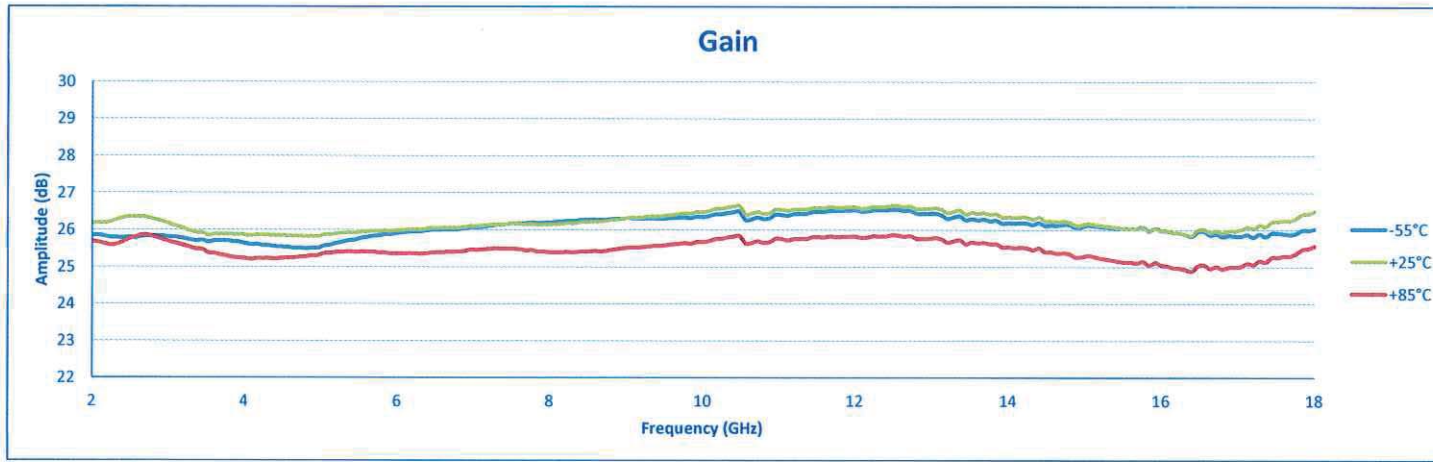
Date: 2/14/18

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



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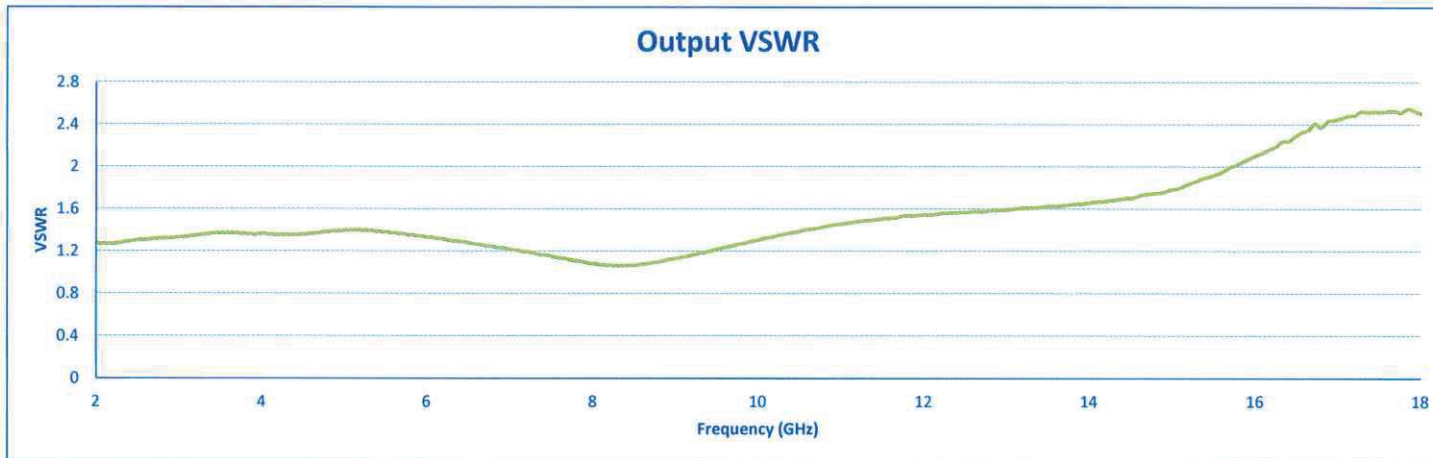
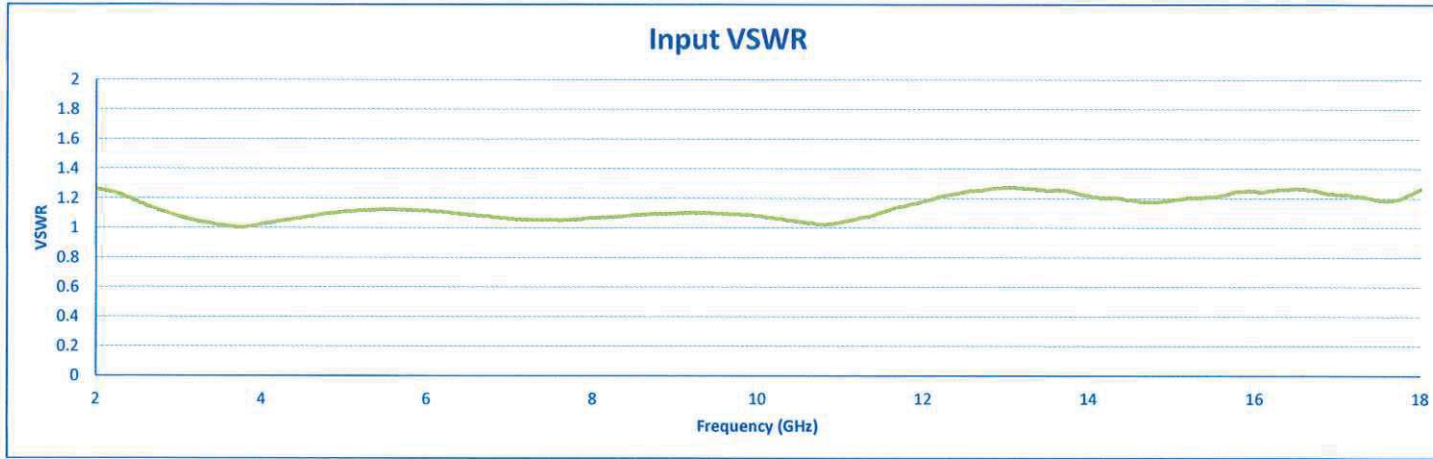


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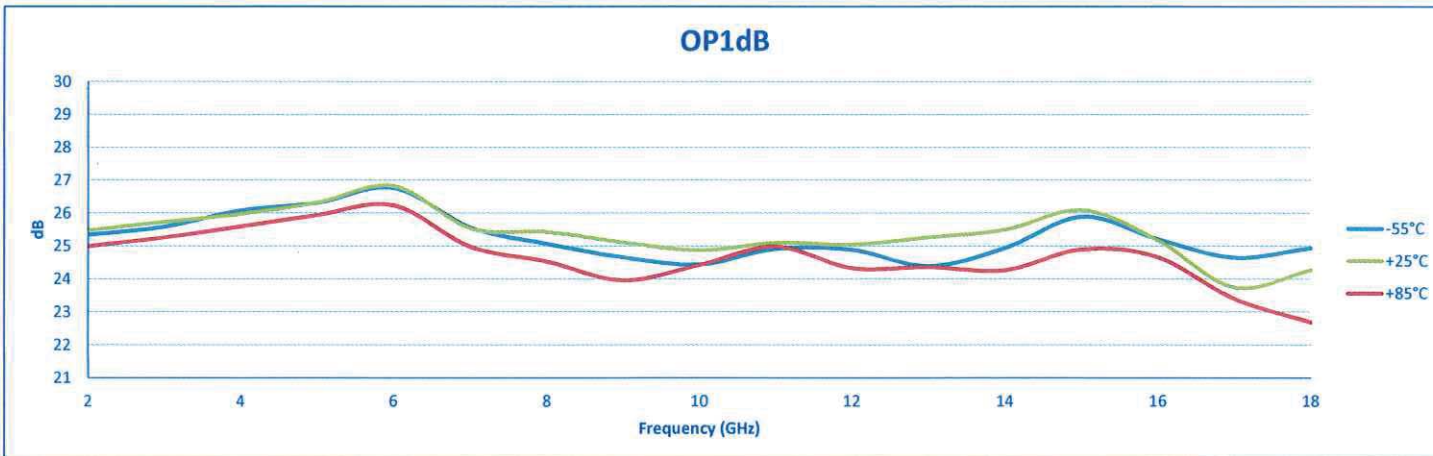
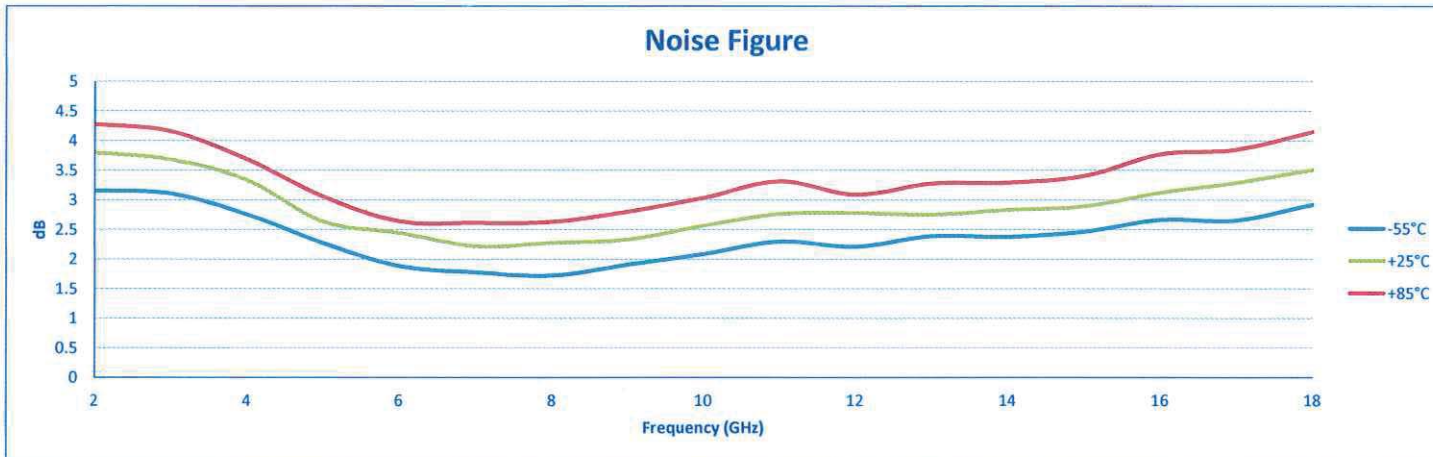


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<u>Freq</u>	<u>IP3</u>	<u>IP2</u>
2000	35.7	54.1
4000	35.65	50.6
6000	34.7	50.2
8000	37.25	47.7
10000	36.75	46.4
12000	36.3	42.7
14000	37.1	47
16000	37.35	40.9
18000	36.95	43.6

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