



**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: PL22105/1805

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	26.2 dB	26.1 dB	25.2 dB	Pass	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	+0.7 dB -0.3 dB	+0.7 dB -0.4 dB	-0.2 dB -1.4 dB	Pass	
4	Gain Flatness:*	±1.5 dB (Relative to Nominal Gain)	±0.5 dB	±0.5 dB	±0.6 dB	Pass	
5	Noise Figure: ²	5.0 dB Max.	3.3 dB	3.6 dB	4.2 dB	Pass	
6	OP1dB: ²	+21 dBm Min. +25 dBm Goal	+23.7 dBm	+23.4 dBm	+22.5 dBm	Pass	
7	OIP2: ³	+37 dBm Min.		+41 dBm		Pass	
8	OIP3: ³	+30 dBm Min.		+33 dBm		Pass	
9	Input VSWR:*	2.0:1 Max.		1.5:1		Pass	
10	Output VSWR:*	2.8:1 Max.		2.6:1		Pass	
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	375 mA	395 mA	409 mA	Pass	PMI QA 2

* 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

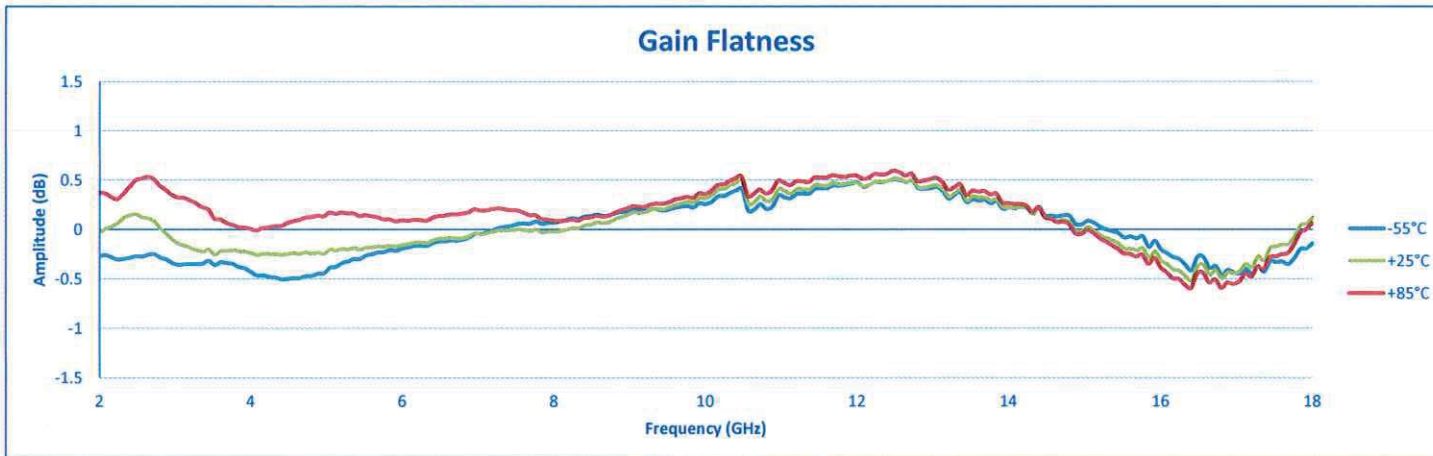
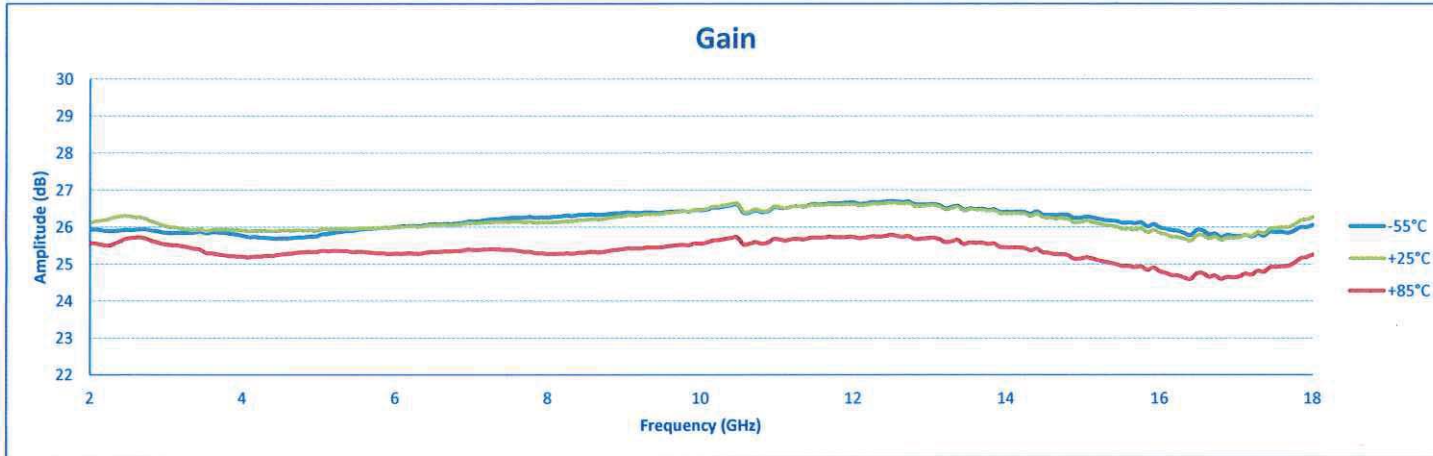
QA/QC Approval: PMI QA 2 Date: 2/14/18

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



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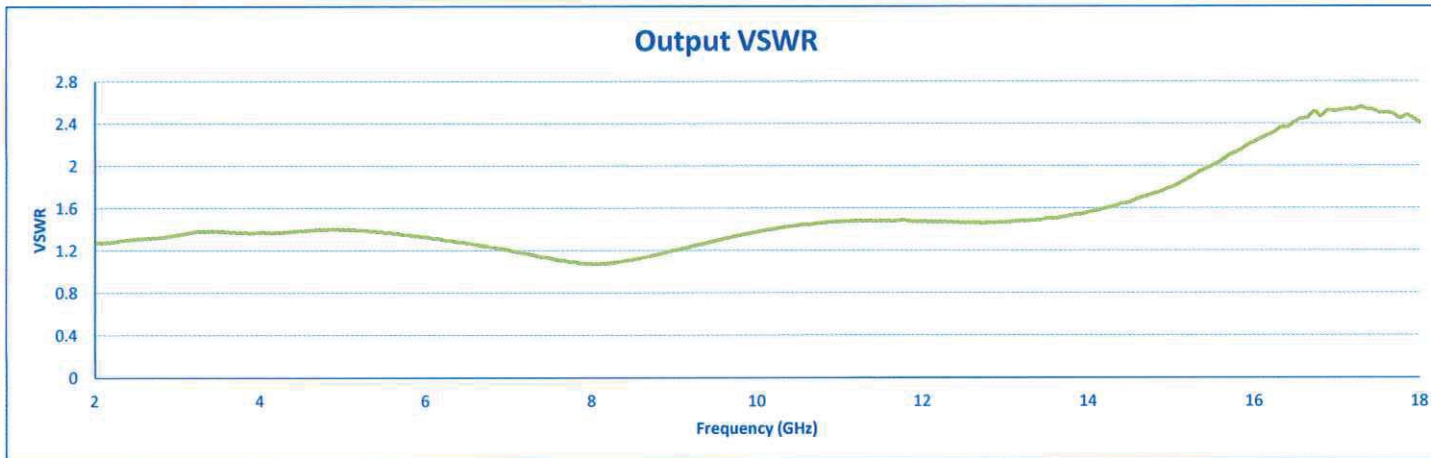
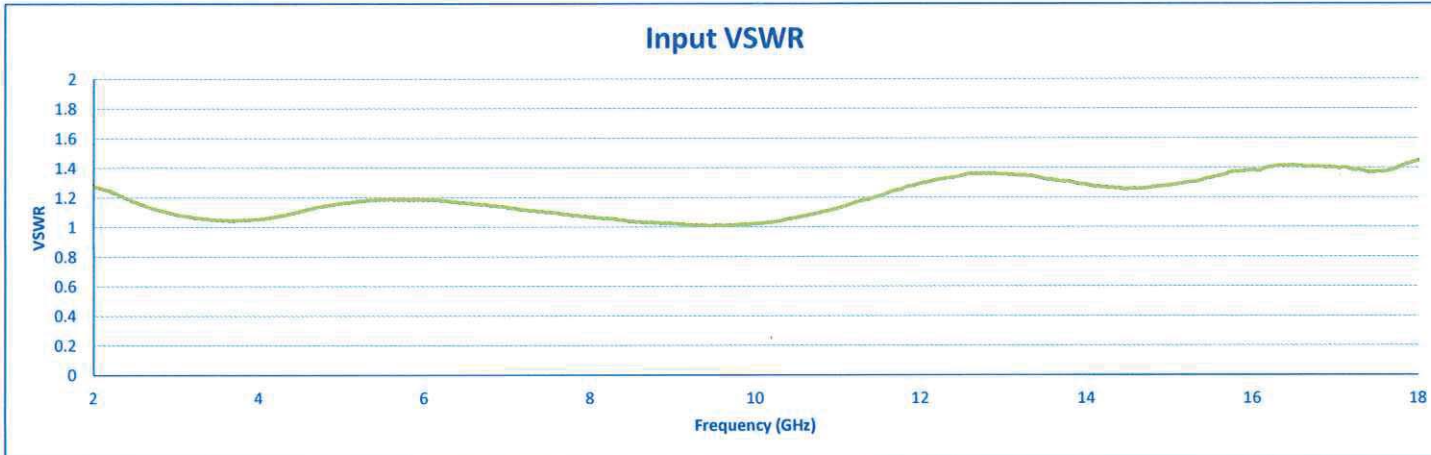


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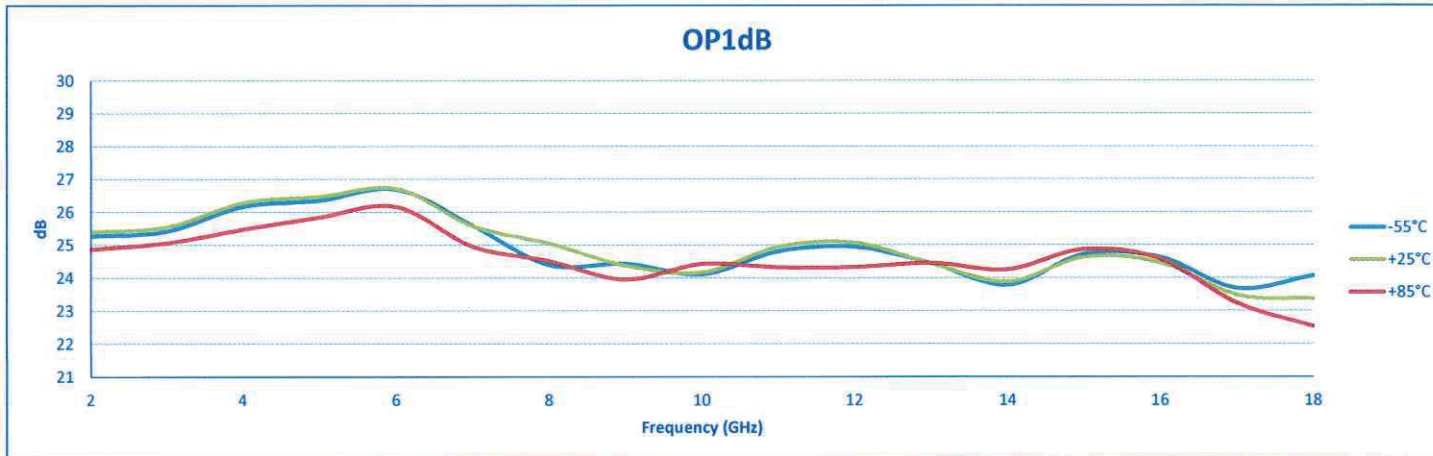
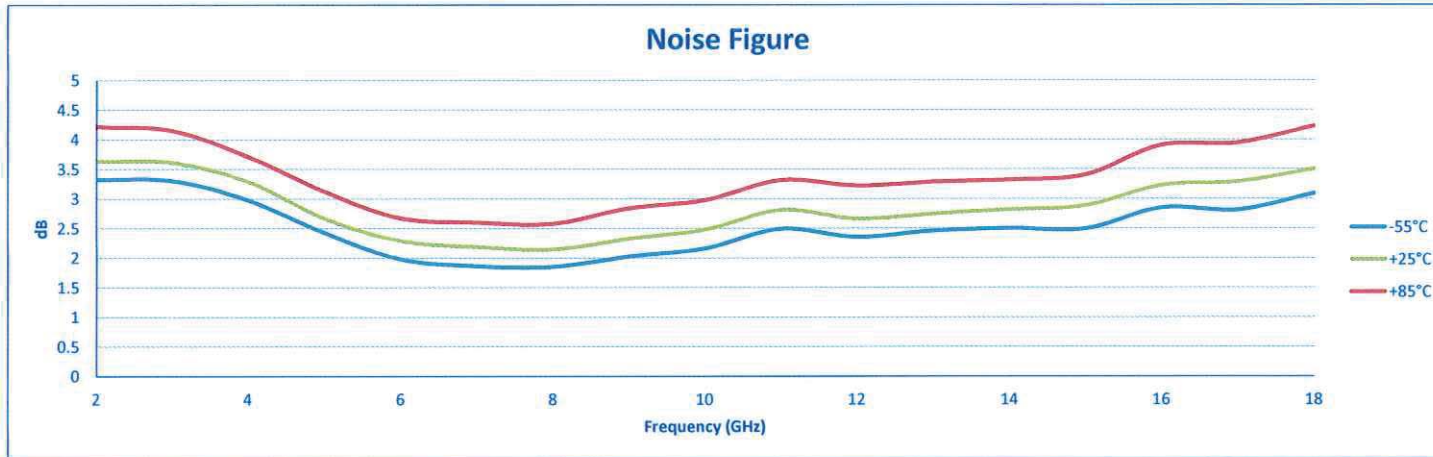


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<u>Freq</u>	<u>OIP3</u>	<u>OIP2</u>
2000	37	55
4000	37.5	51
6000	38.5	49.1
8000	34.9	45.2
10000	33.25	45.5
12000	36.25	41.5
14000	37.35	46.3
16000	37.2	40.6
18000	37.35	42.8

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