



**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: PL22106/1805

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	26.4 dB	26.4 dB	25.6 dB	Pass	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	+1 dB -0.2 dB	+0.9 dB -0.1 dB	0.1 dB -1 dB	Pass	
4	Gain Flatness:*	±1.5 dB (Relative to Nominal Gain)	±0.6 dB	±0.5 dB	±0.6 dB	Pass	
5	Noise Figure: ²	5.0 dB Max.	3.3 dB	3.8 dB	4.3 dB	Pass	
6	OP1dB: ²	+21 dBm Min. +25 dBm Goal	+23.9 dBm	+23.6 dBm	+23.2 dBm	Pass	
7	OIP2: ³	+37 dBm Min.		+43 dBm		Pass	
8	OIP3: ³	+30 dBm Min.		+35 dBm		Pass	
9	Input VSWR:*	2.0:1 Max.		1.3:1		Pass	
10	Output VSWR:*	2.8:1 Max.		2.7:1		Pass	
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	375 mA	401 mA	415 mA	Pass	

* 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

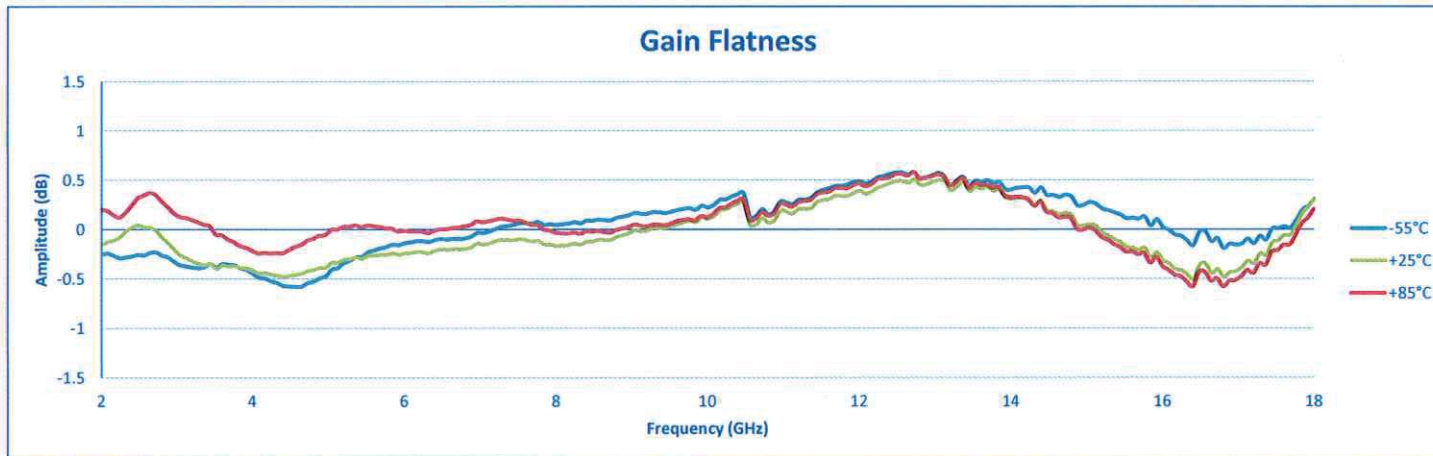
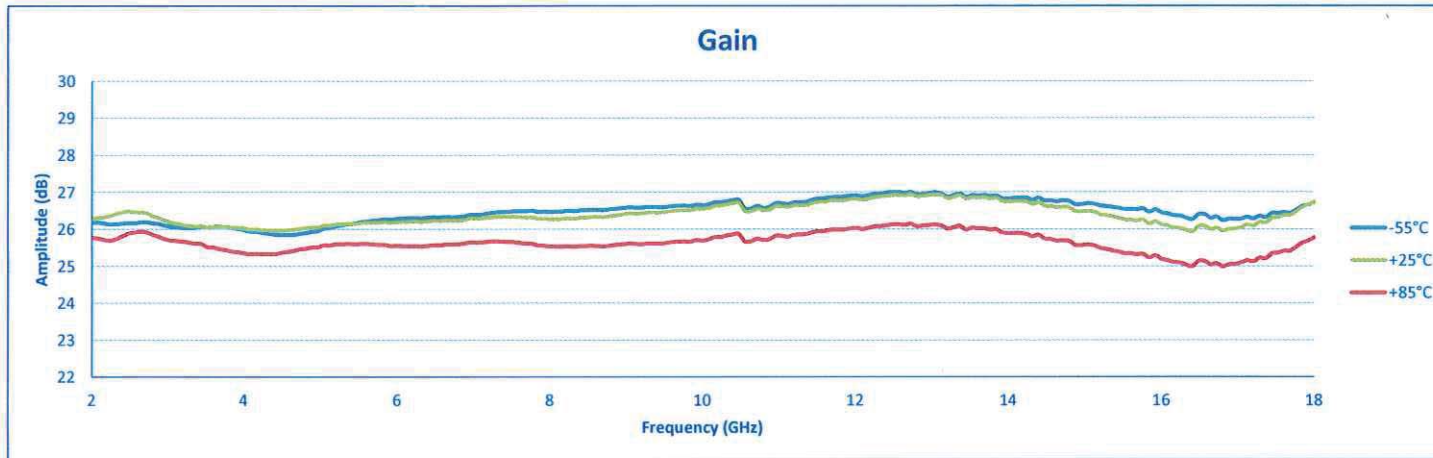
QA/QC Approval:  PMI QA 2  Date: 2/14/18

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



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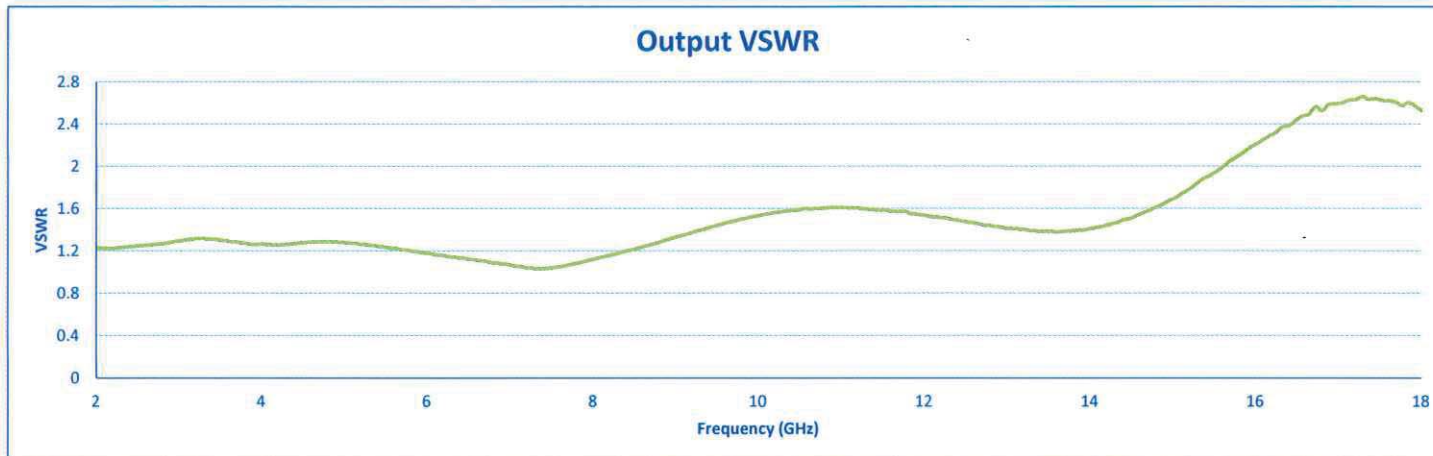
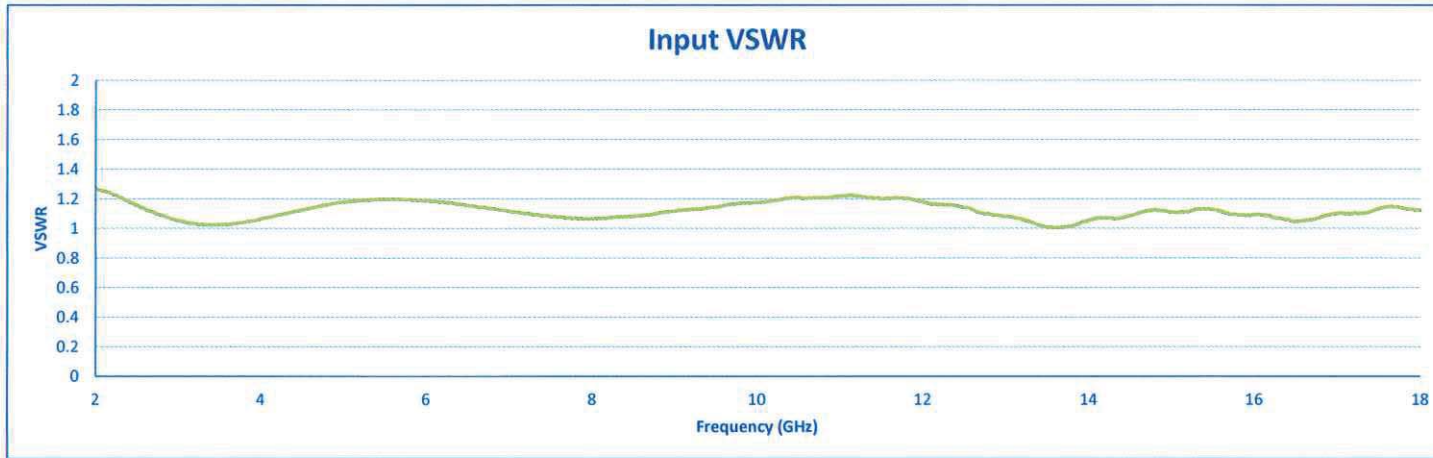


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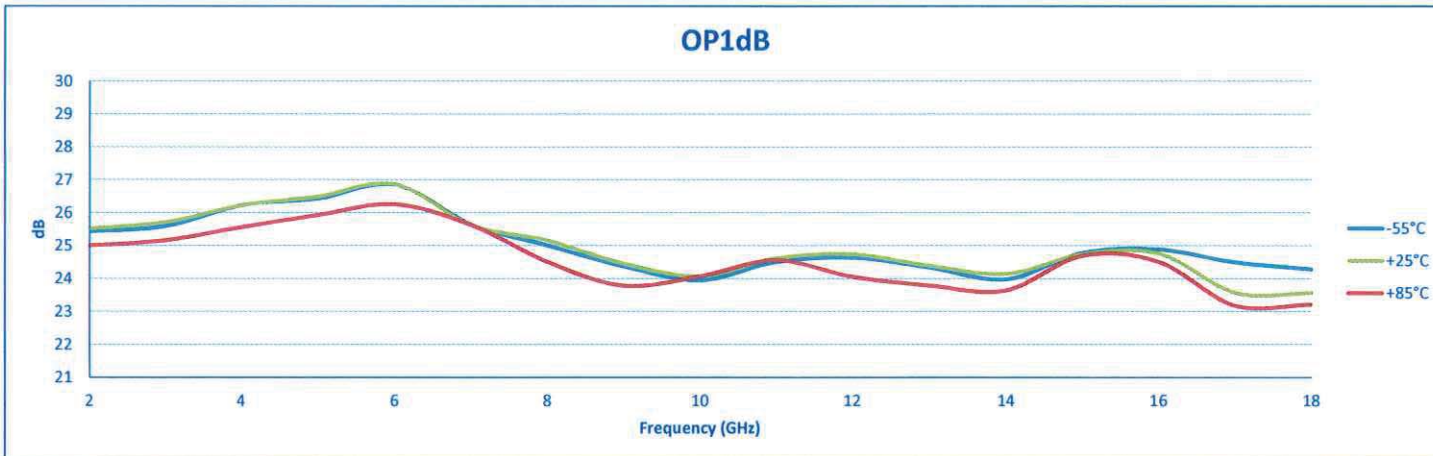
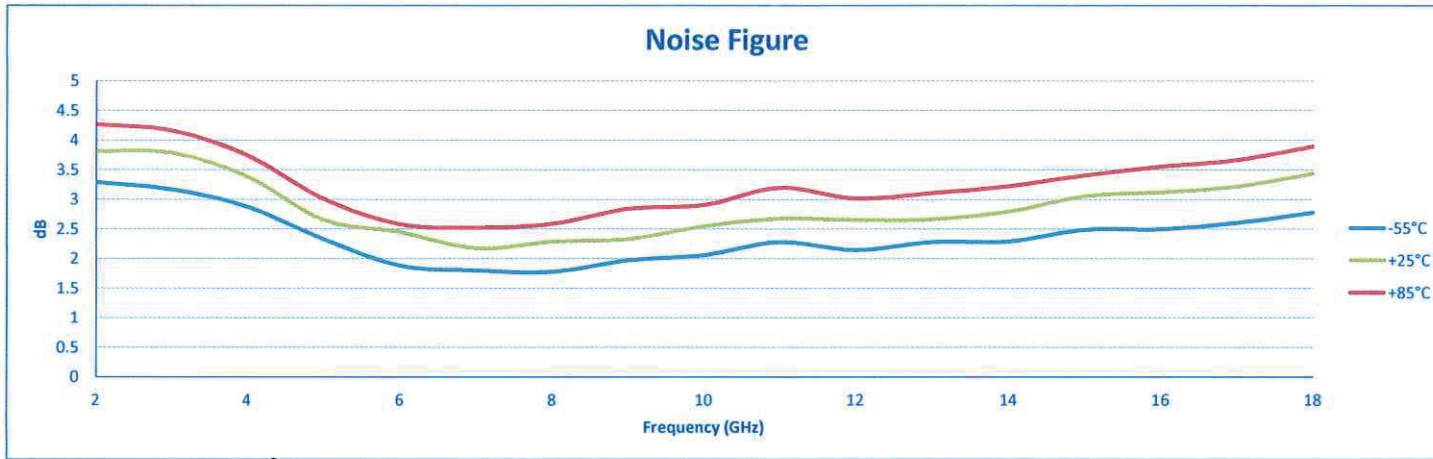


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<u>Freq</u>	<u>IP3</u>	<u>IP2</u>
2000	36	55.3
4000	35.9	50.8
6000	35.05	49.2
8000	37.1	48
10000	36.8	45.8
12000	36.4	43
14000	37.4	46.6
16000	37.6	43.7
18000	37.15	43.4

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