



**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: PL22568/1818

Tested By: K. Mansfield  
 Temperatures: -55°C, +25°C, +85°C  
 Date: 5/2/2018  
 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 QA 2
2	Nominal Gain: <sup>1</sup>	26 dB	26.2 dB	26.2 dB	25.3 dB	Pass See Plot	
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 -0.2 dB	-0.1 dB -1.2 dB	Pass See Plot	
4	Gain Flatness: <sup>1</sup>	±1.5 dB (Relative to Nominal Gain)	±0.5 dB	±0.4 dB	±0.6 dB	Pass See Plot	
5	Noise Figure: <sup>2</sup>	5.0 dB Max.	3.8 dB	4.6 dB	5 dB	Pass See Plot	
6	OP1dB: <sup>2</sup>	+21 dBm Min. +25 dBm Goal	24.5 dBm	23.9 dBm	22.9 dBm	Pass See Plot	
7	OIP2: <sup>3</sup>	+37 dBm Min.	40.1 dBm	31.2 dBm	1.5:1	Pass See Table	
8	OIP3: <sup>3</sup>	+30 dBm Min.				Pass See Table	
9	Input VSWR: <sup>1</sup>	2.0:1 Max.				Pass See Plot	
10	Output VSWR: <sup>1</sup>	2.0:1 Max. (2.0 to 15.0 GHz)				1.8:1	
		2.8:1 Max. (15.0 to 18.0 GHz)	2.1:1	Pass See Plot			
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	370 mA	401 mA	416 mA	Pass	PMI QA 2

<sup>1</sup> 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

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

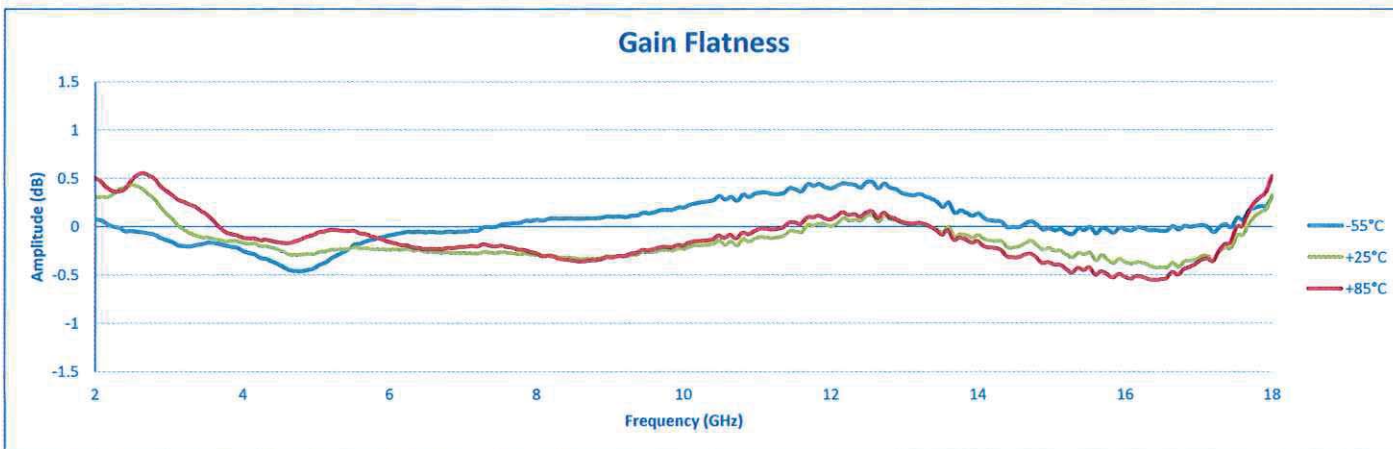
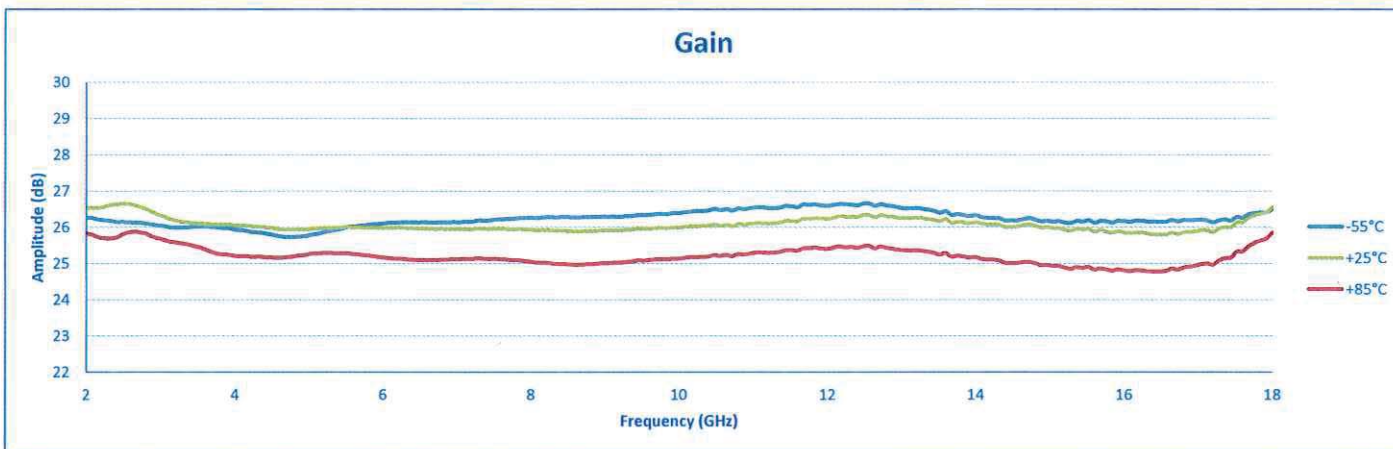
QA/QC Approval:  Date: 5/3/18

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



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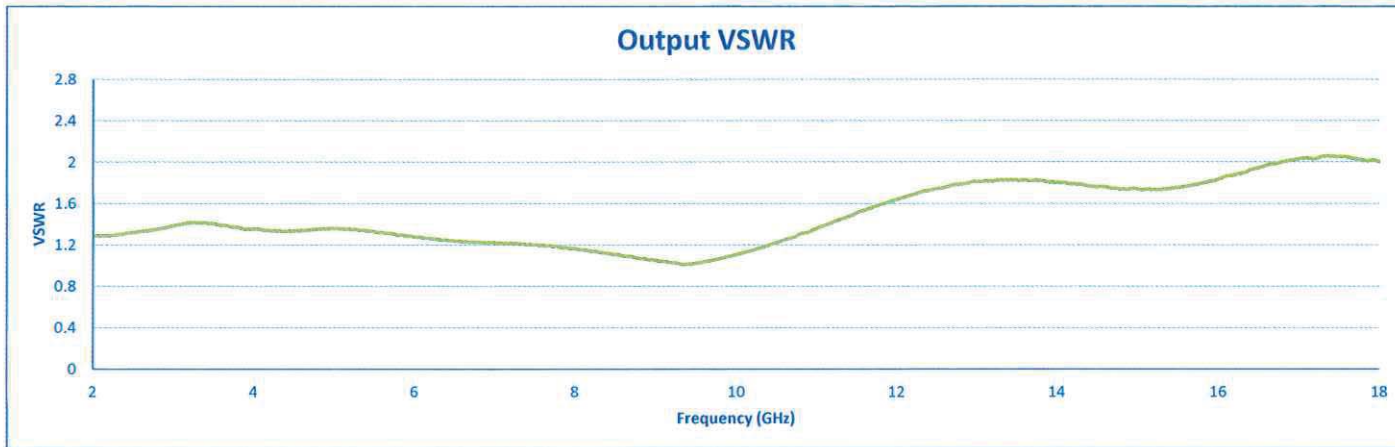
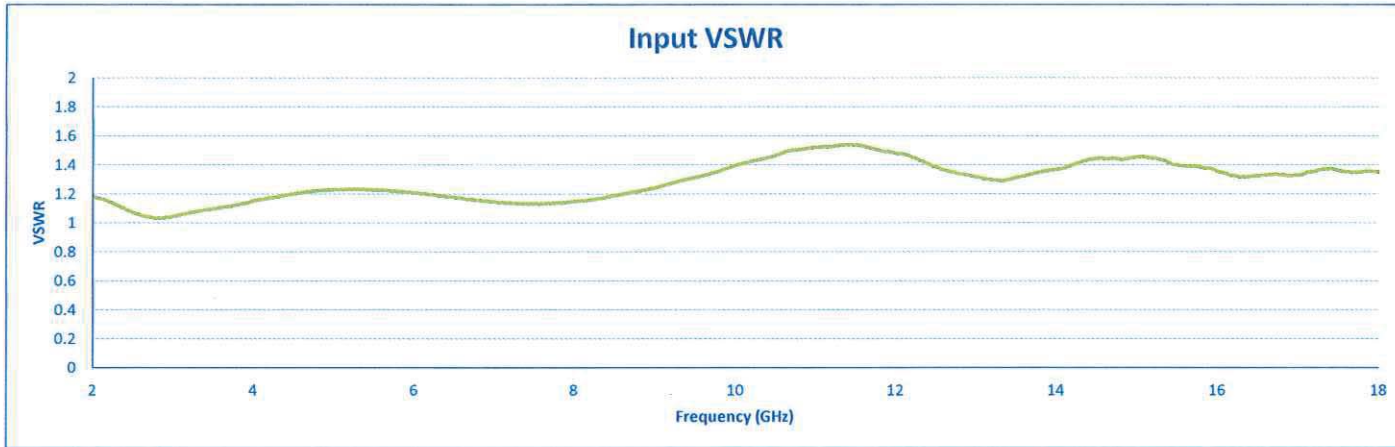


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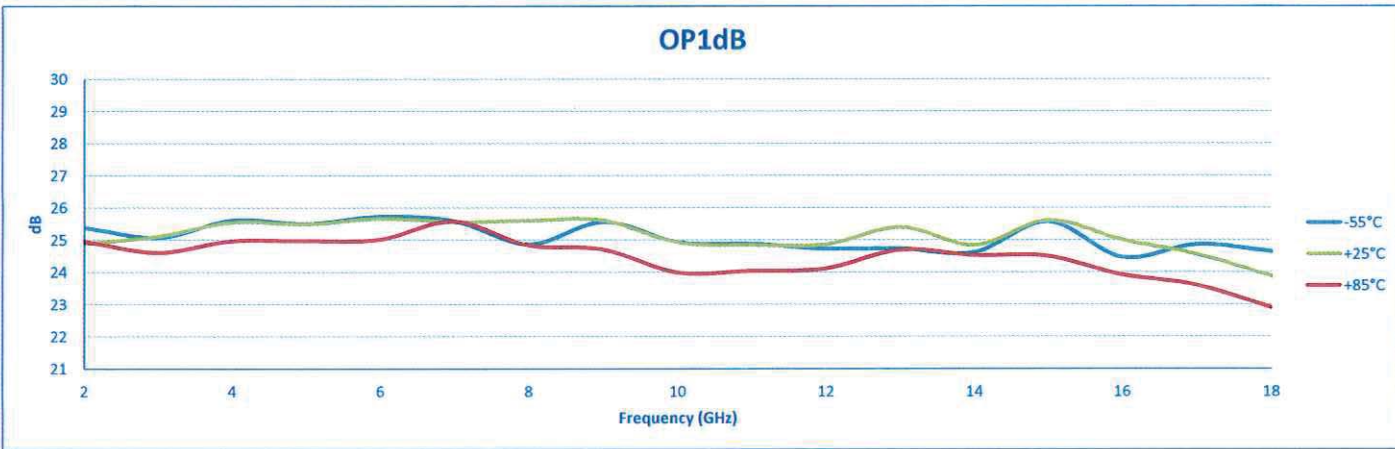
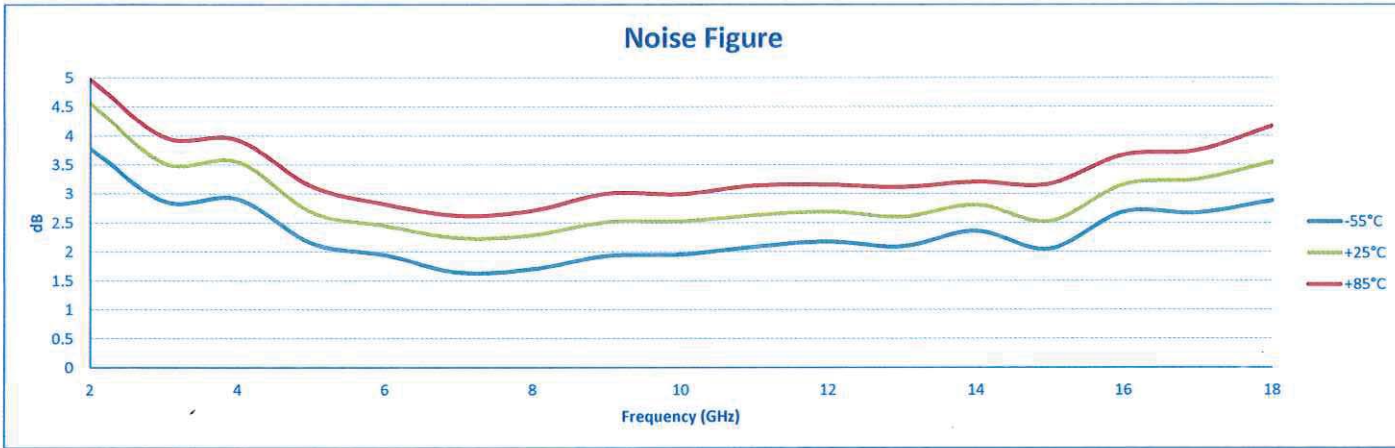


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<u>Freq</u> (GHz)	<u>IP3</u> (dBm)	<u>IP2</u> (dBm)
2	38	40.6
4	37.3	42.9
6	37.3	43.8
8	34.6	40.1
10	32.9	47.9
12	33.7	52.2
14	31.2	50
16	32.2	48.3
18	32.7	49.5

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