



**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: PL22567/1818

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:*	26 dB	26.2 dB	26.4 dB	25.5 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	0.9 dB -0.1 dB	0 dB -1 dB	Pass See Plot	
4	Gain Flatness:*	±1.5 dB (Relative to Nominal Gain)	±0.5 dB	±0.5 dB	±0.5 dB	Pass See Plot	
5	Noise Figure: <sup>2</sup>	5.0 dB Max.	3.8 dB	4.5 dB	5 dB	Pass See Plot	
6	OP1dB: <sup>2</sup>	+21 dBm Min. +25 dBm Goal	24.1 dBm	23.6 dBm	22.7 dBm	Pass See Plot	
7	OIP2: <sup>3</sup>	+37 dBm Min.	41.4 dBm	41.4 dBm	31.9 dBm	Pass See Table	
8	OIP3: <sup>3</sup>	+30 dBm Min.		31.9 dBm		Pass See Table	
9	Input VSWR:*	2.0:1 Max.		1.5:1		Pass See Plot	
10	Output VSWR:*	2.0:1 Max. (2.0 to 15.0 GHz)		1.7:1		Pass See Plot	
		2.8:1 Max. (15.0 to 18.0 GHz)	2.5:1	Pass See Plot			
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	361 mA	391 mA	407 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

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

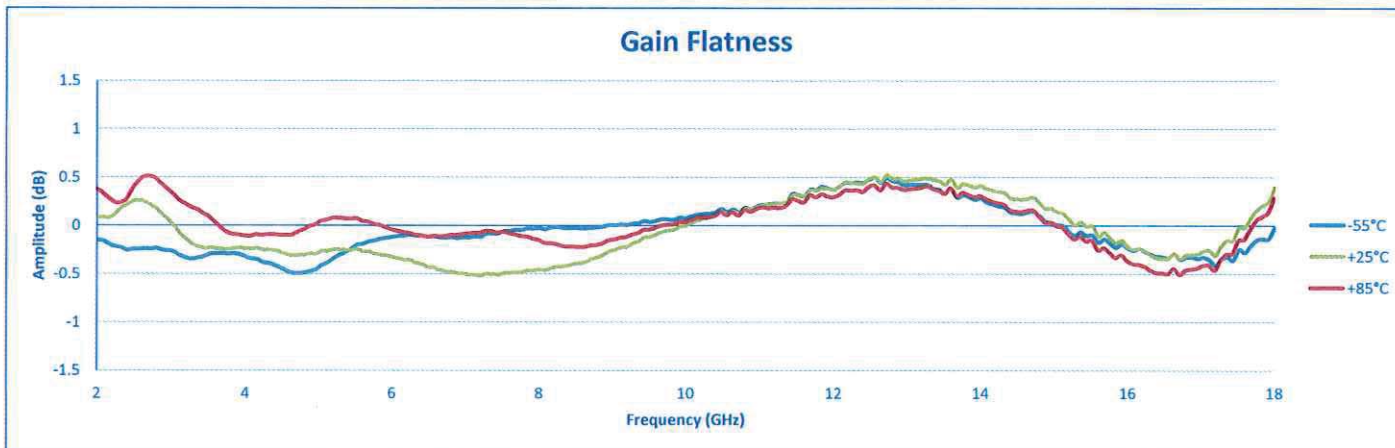
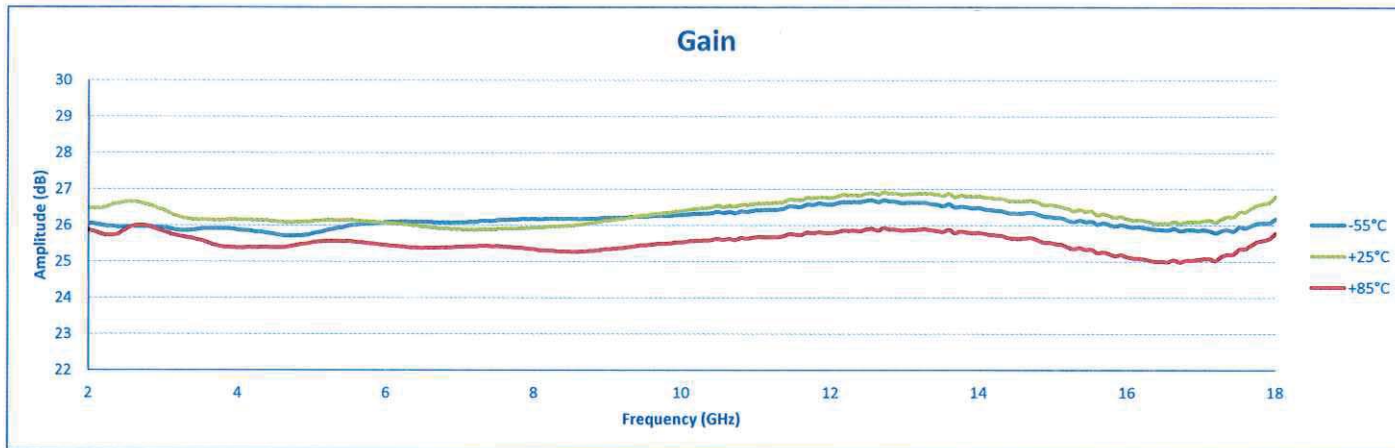
QA/QC Approval:  PMI QA 2 Date: 05/3/2018

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



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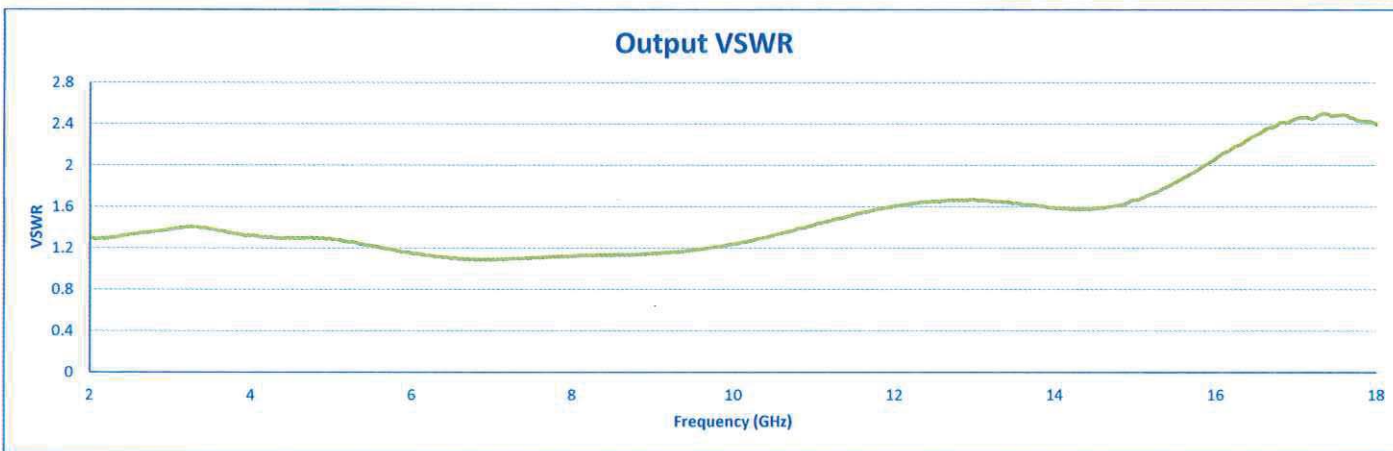
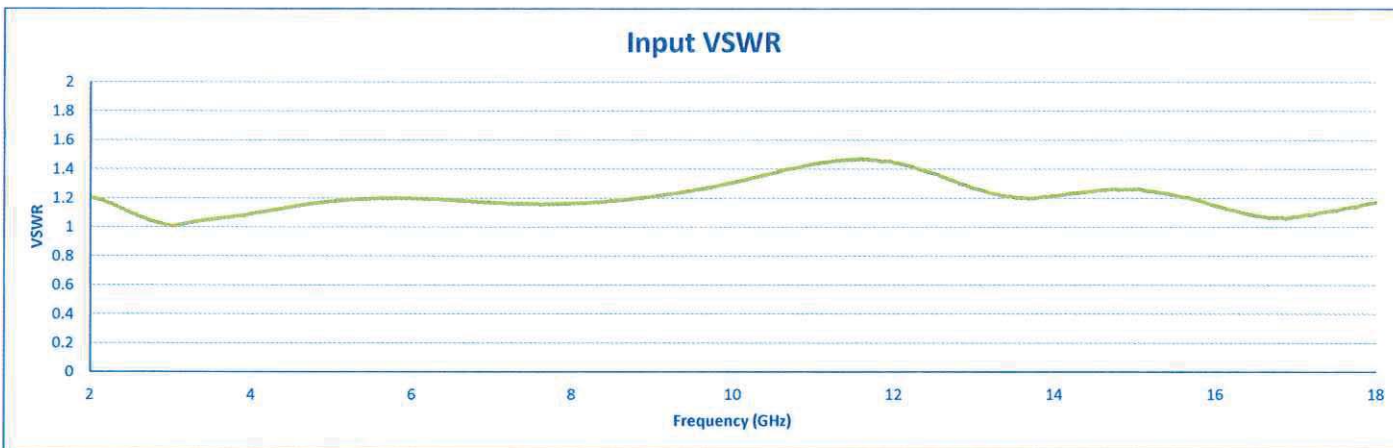


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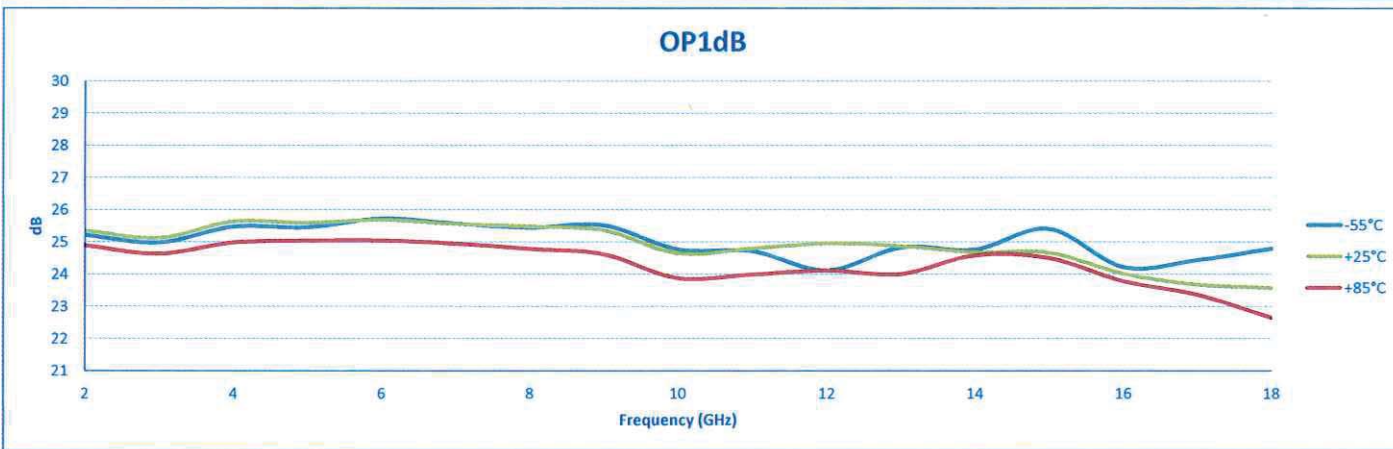
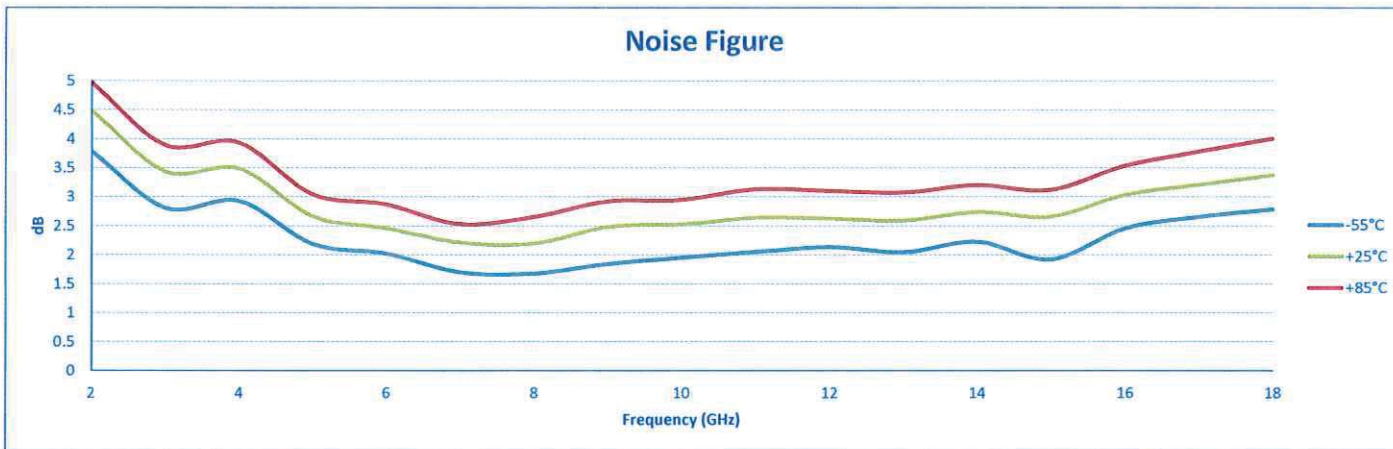


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<u>Freq</u> <u>(GHz)</u>	<u>IP3</u> <u>(dBm)</u>	<u>IP2</u> <u>(dBm)</u>
2	38.4	41.6
4	38.8	46.7
6	37.9	46.2
8	34.7	41.4
10	33.4	49.1
12	33.1	50.8
14	31.9	51.4
16	32.6	50.1
18	32.3	48.6

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