



**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: PL22255/1809

Tested By: K. Mansfield  
 Temperatures: -55°C, +25°C, +85°C  
 Date: 3/8/2018  
 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	25.9 dB	26.4 dB	25.5 dB	Pass See Plots	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	0.3 dB -0.5 dB	0.9 dB -0.1 dB	-0.1 dB -0.9 dB	Pass See Plots	
4	Gain Flatness:*	±1.5 dB (Relative to Nominal Gain)	±0.4 dB	±0.5 dB	±0.4 dB	Pass See Plots	
5	Noise Figure: <sup>2</sup>	5.0 dB Max.	3.2 dB	3.8 dB	4.4 dB	Pass See Plots	
6	OP1dB: <sup>2</sup>	+21 dBm Min. +25 dBm Goal	24.3 dBm	23.6 dBm	22.5 dBm	Pass See Plots	
7	OIP2: <sup>3</sup>	+37 dBm Min.		38.7 dBm		Pass See Table	
8	OIP3: <sup>3</sup>	+30 dBm Min.		31.2 dBm		Pass See Table	
9	Input VSWR:*	2.0:1 Max.		1.5:1		Pass See Plots	
10	Output VSWR:*	2.0:1 Max. (2.0 to 15.0 GHz)		1.9:1		Pass See Plots	
		2.8:1 Max. (15.0 to 18.0 GHz)	2.4:1	Pass See Plots			
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	363 mA	392 mA	408 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.**

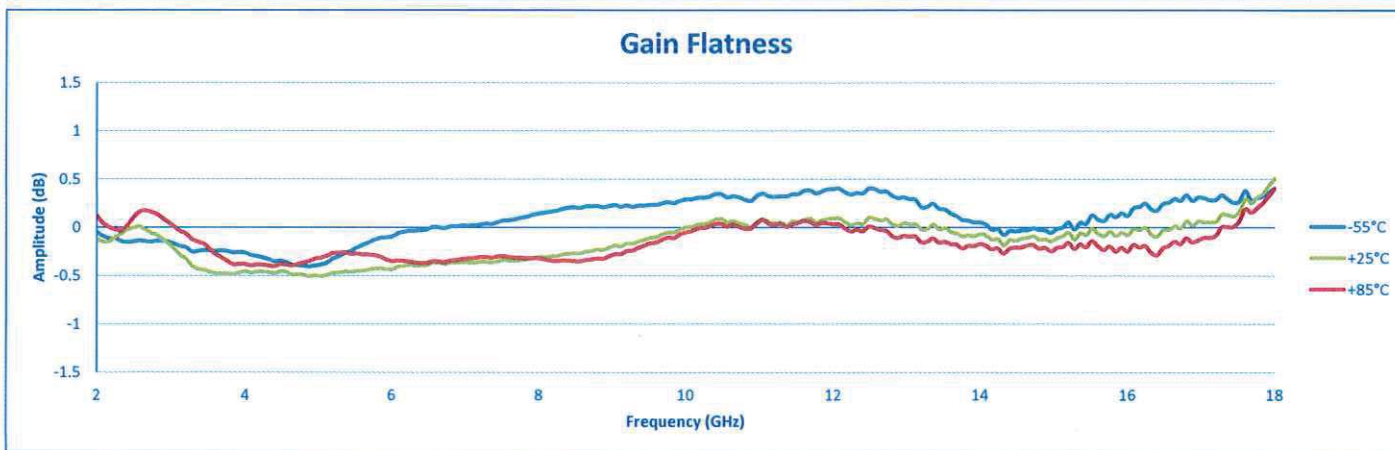
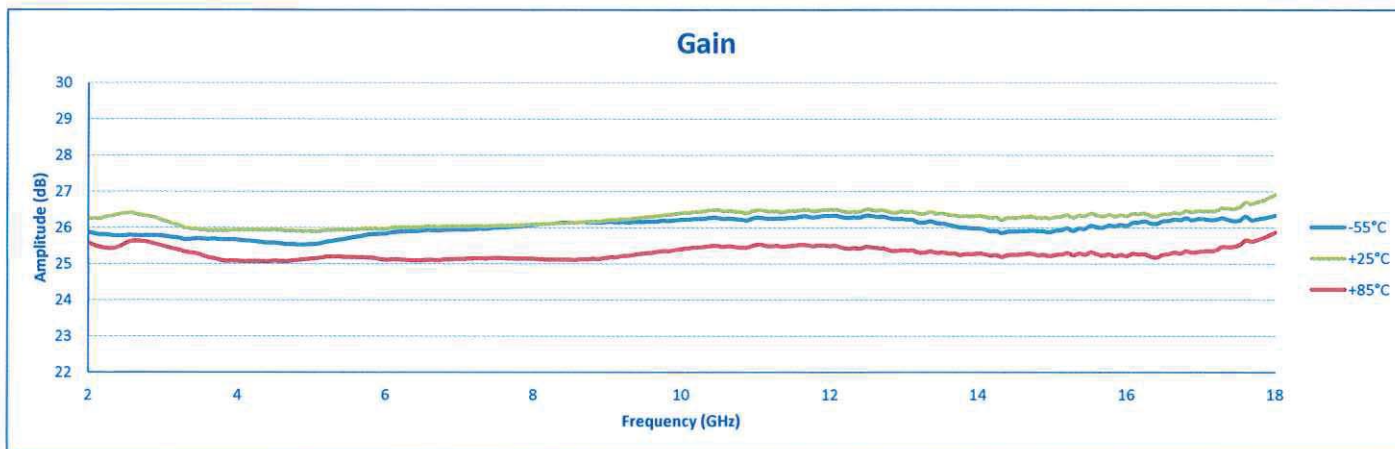
QA/QC Approval:  PMI QA 2 Date: 3/19/18

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



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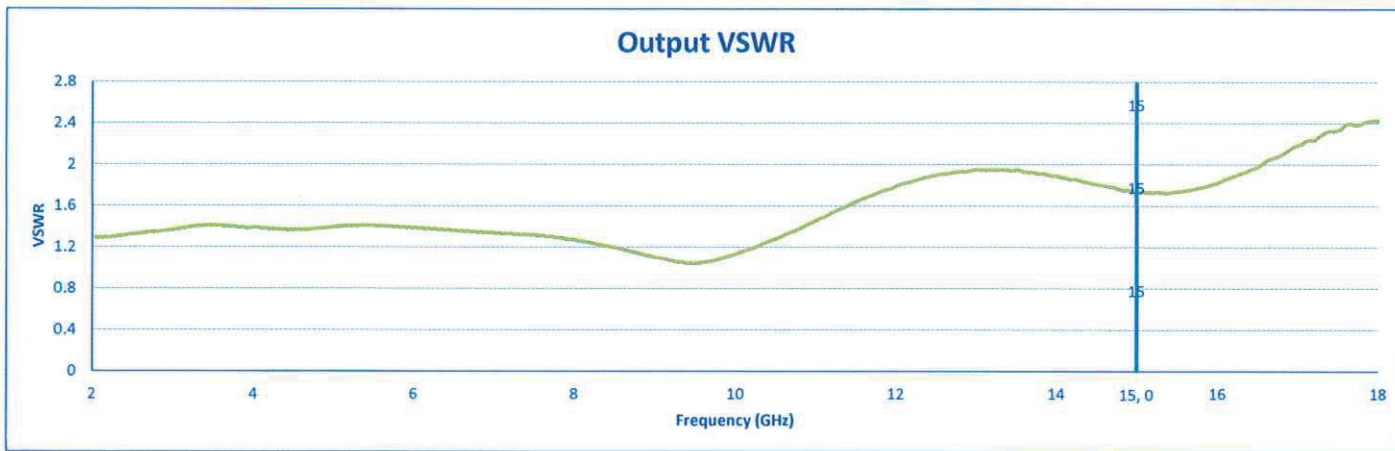
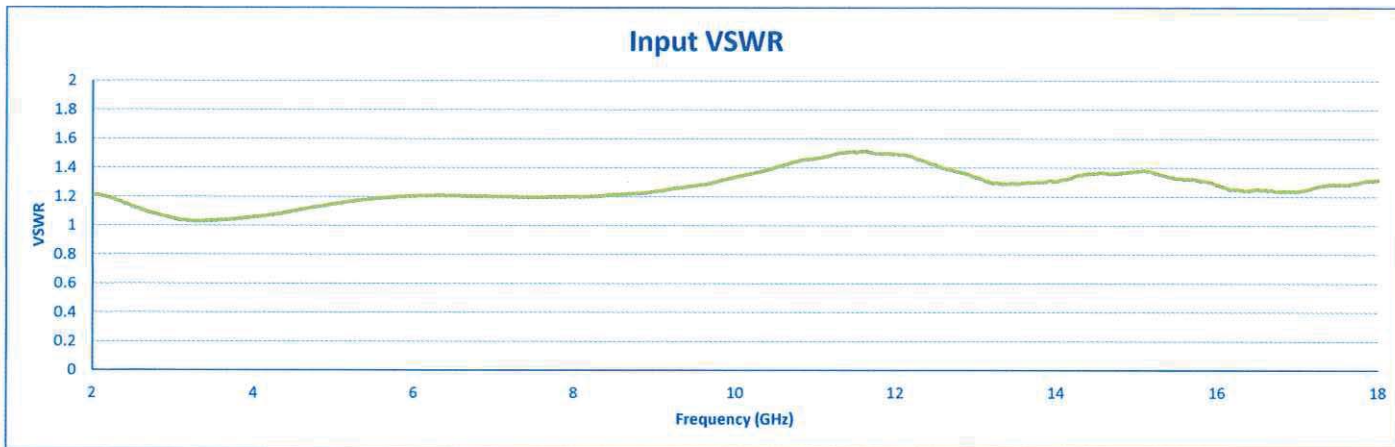


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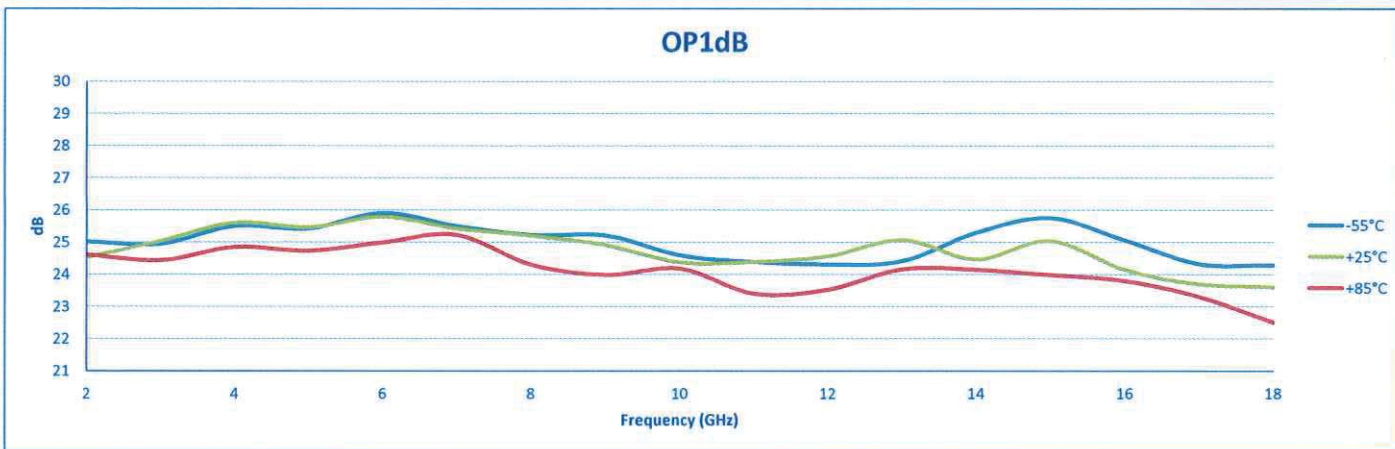
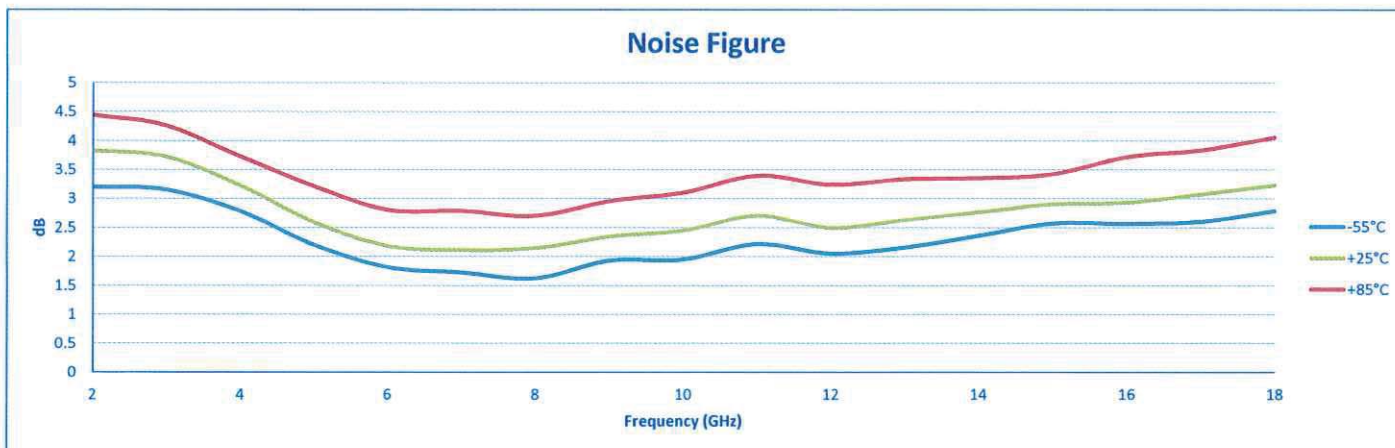


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<u>Freq</u>	<u>IP3</u>	<u>IP2</u>
2000	37.7	41.0
4000	37.4	43.4
6000	38.5	46.7
8000	33.8	38.7
10000	32.7	47.2
12000	33.0	50.0
14000	31.2	48.6
16000	32.8	48.7
18000	32.4	49.8

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