



**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: PL22259/1809

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	26 dB	26.2 dB	25.3 dB	Pass See Plots	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	0.5 dB -0.4 dB	0.6 dB -0.1 dB	-0.2 dB -1.2 dB	Pass See Plots	
4	Gain Flatness:*	±1.5 dB (Relative to Nominal Gain)	±0.4 dB	±0.3 dB	±0.5 dB	Pass See Plots	
5	Noise Figure: ²	5.0 dB Max.	3.2 dB	3.8 dB	4.4 dB	Pass See Plots	
6	OP1dB: ²	+21 dBm Min. +25 dBm Goal	24.2 dBm	23.3 dBm	22.9 dBm	Pass See Plots	
7	OIP2: ³	+37 dBm Min.		41.3 dBm		Pass See Table	
8	OIP3: ³	+30 dBm Min.		31.6 dBm		Pass See Table	
9	Input VSWR:*	2.0:1 Max.		1.6:1		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)	2.5:1	Pass See Plots			
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	368 mA	397 mA	413 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

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

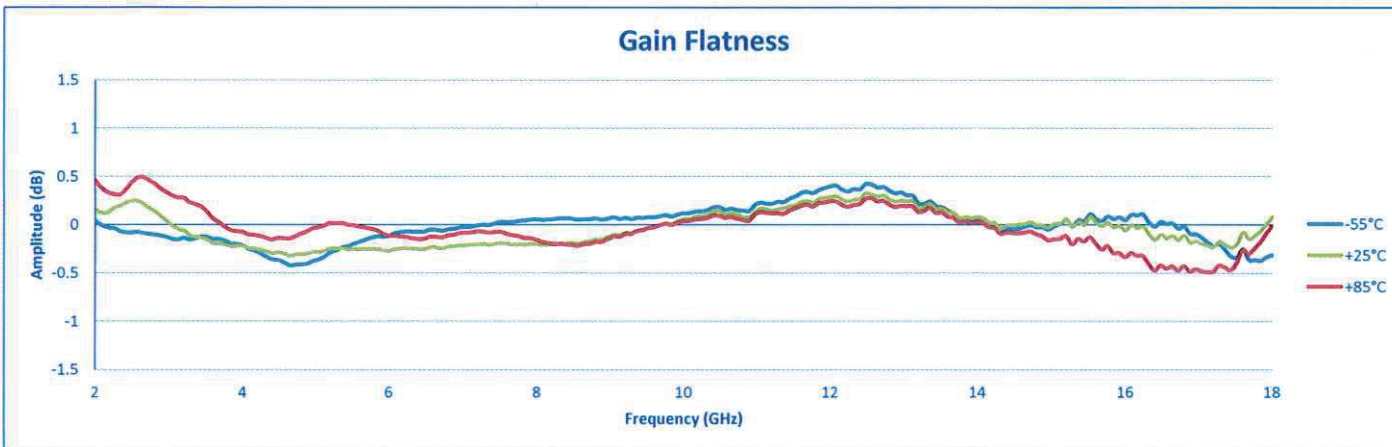
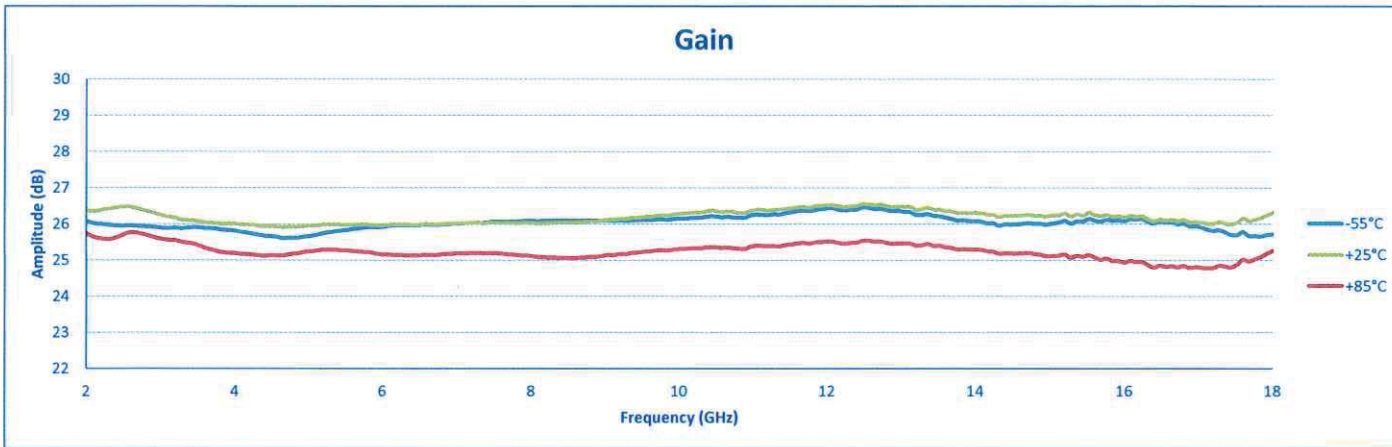
QA/QC Approval:  PMI QA 2 Date: 3/19/18

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



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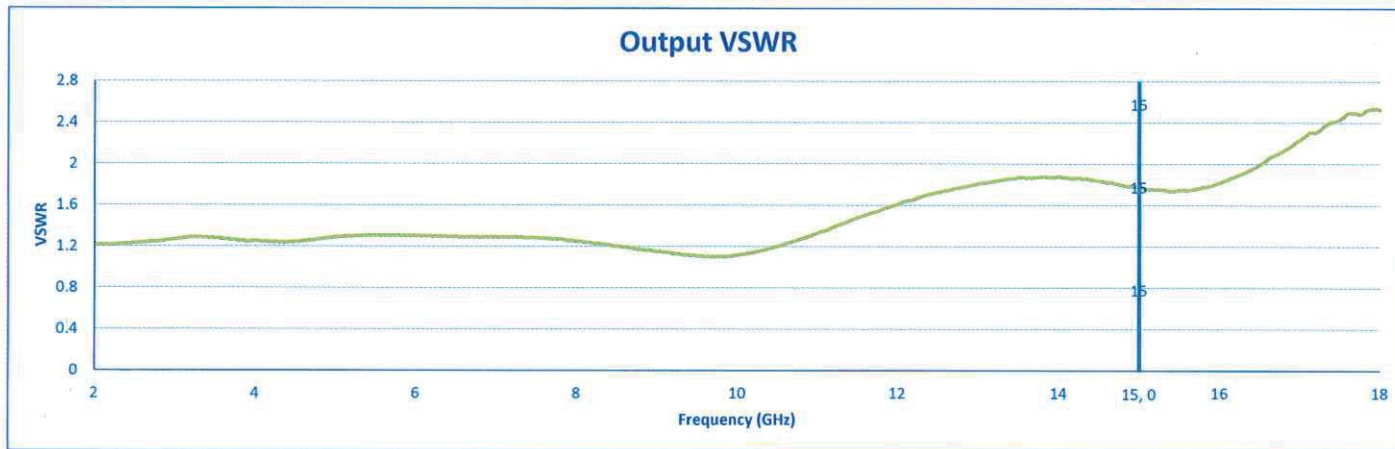
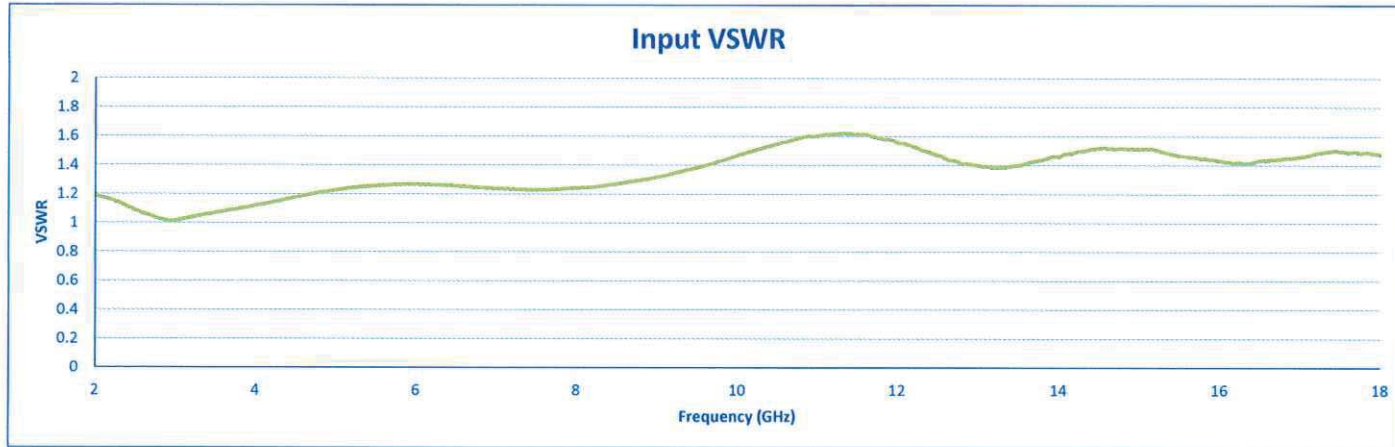


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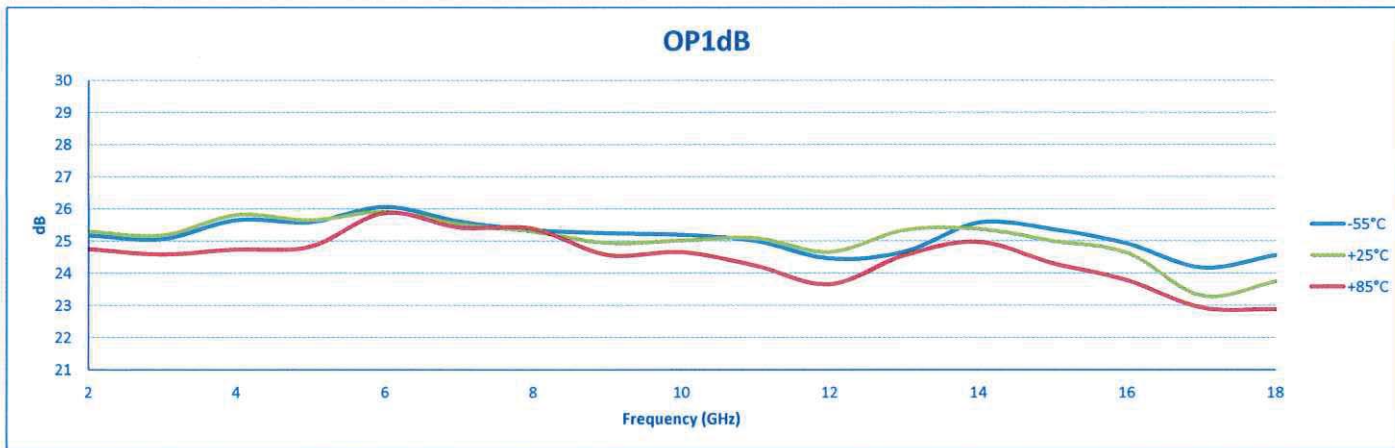
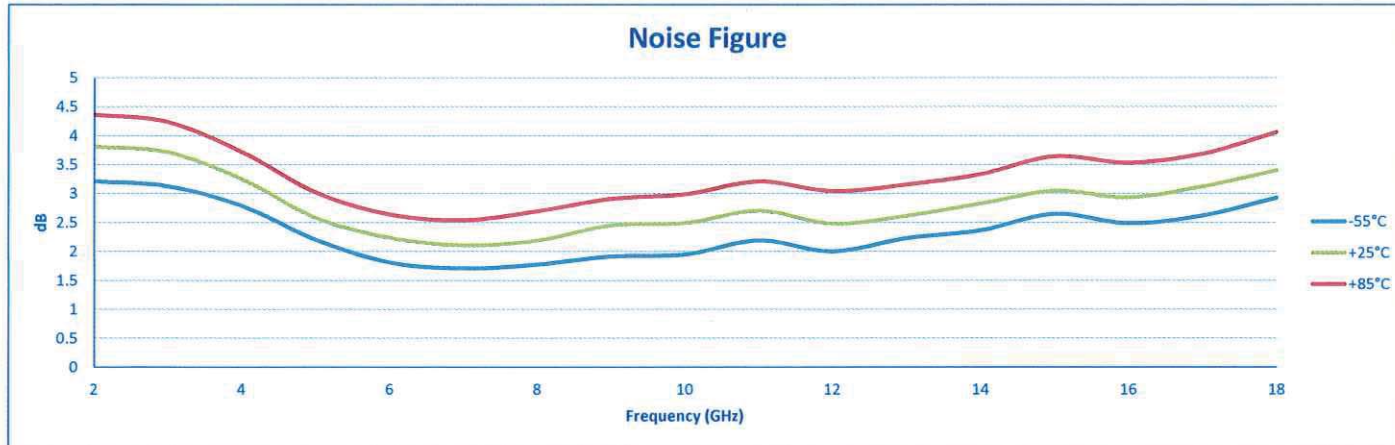


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<u>Freq</u>	<u>IP3</u>	<u>IP2</u>
2000	38.3	42.4
4000	37.6	43.5
6000	37.7	44.8
8000	35.0	41.3
10000	32.7	47.9
12000	33.2	52.0
14000	31.6	51.4
16000	32.9	51.5
18000	32.4	49.9

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