



**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: PL22348/1812

Tested By: K. Mansfield
 Temperatures: -55°C, +25°C, +85°C
 Date: 4/9/2018
 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	JRP
2	Nominal Gain:*	26 dB	25.9 dB	26.1 dB	25.3 dB	Pass See Plot	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	0.5 dB -0.6 dB	0.5 dB -0.3 dB	-0.3 dB -1.2 dB	Pass See Plot	
4	Gain Flatness:*	±1.5 dB (Relative to Nominal Gain)	±0.5 dB	±0.4 dB	±0.4 dB	Pass See Plot	
5	Noise Figure: ²	5.0 dB Max.	3.8 dB	4.4 dB	5 dB	Pass See Plot	
6	OP1dB: ²	+21 dBm Min. +25 dBm Goal	23.7 dBm	22.1 dBm	22.4 dBm	Pass See Plot	
7	OIP2: ³	+37 dBm Min.	37.5 dBm	31 dBm	1.4:1	Pass See Table	
8	OIP3: ³	+30 dBm Min.				Pass See Table	
9	Input VSWR:*	2.0:1 Max.				Pass See Plot	
10	Output VSWR:*	2.0:1 Max. (2.0 to 15.0 GHz)	1.8:1	2.2:1	Pass See Plot		
		2.8:1 Max. (15.0 to 18.0 GHz)					
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	363 mA	393 mA	410 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

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

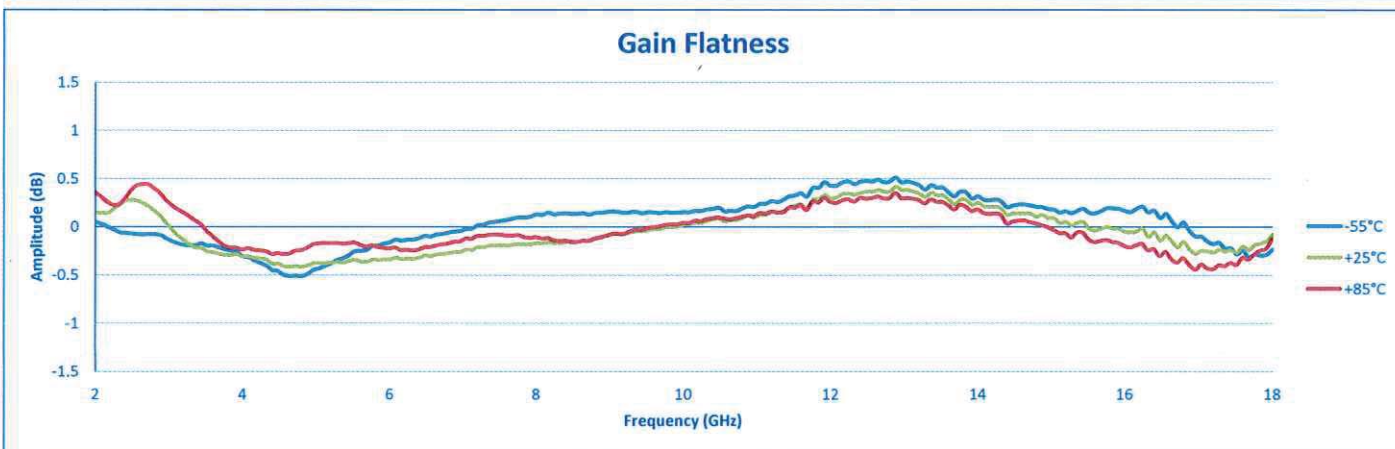
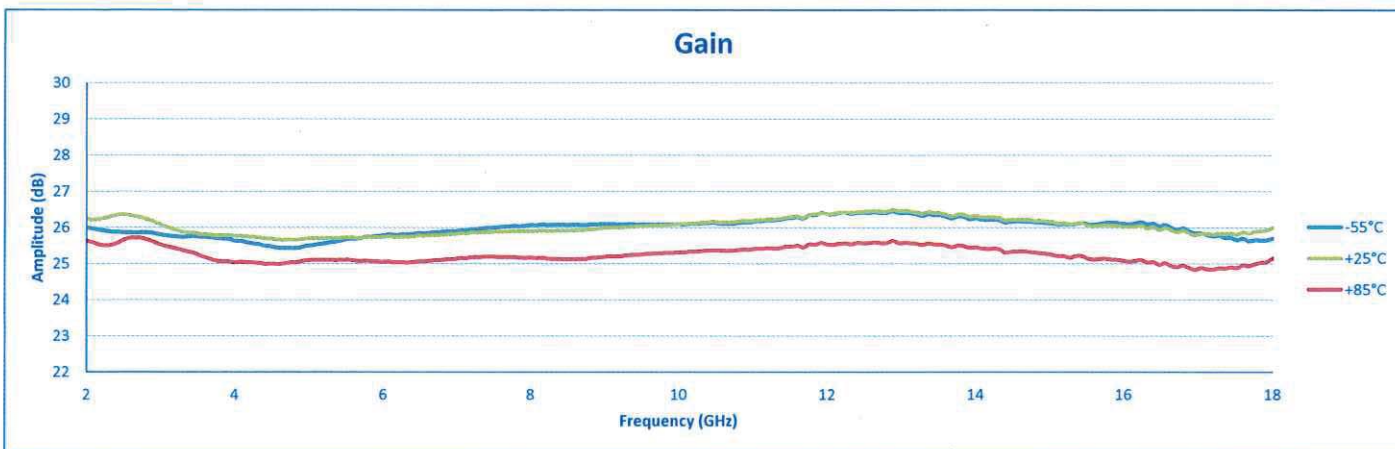
QA/QC Approval: Date: 4/9/18

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



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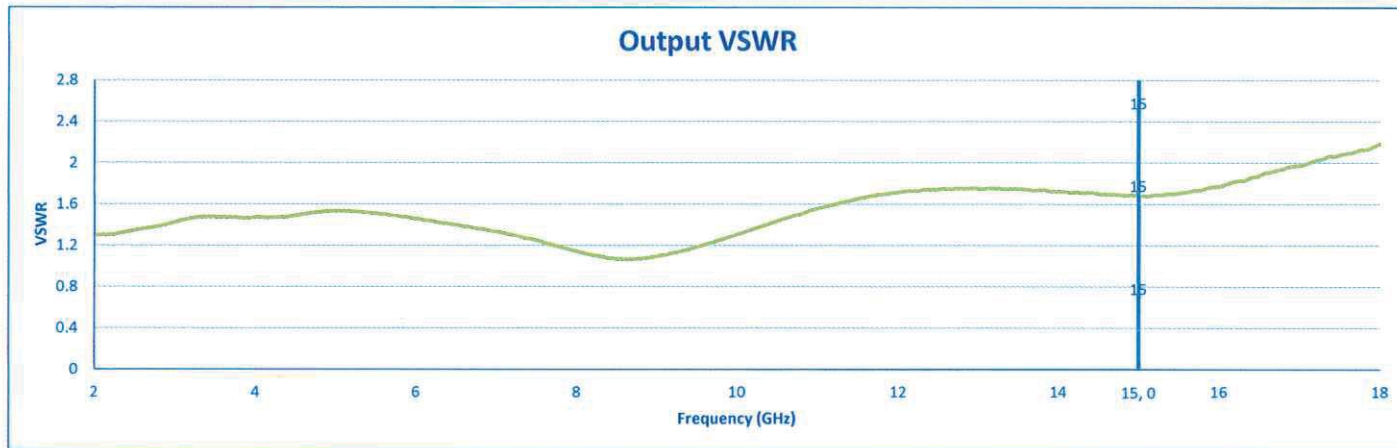
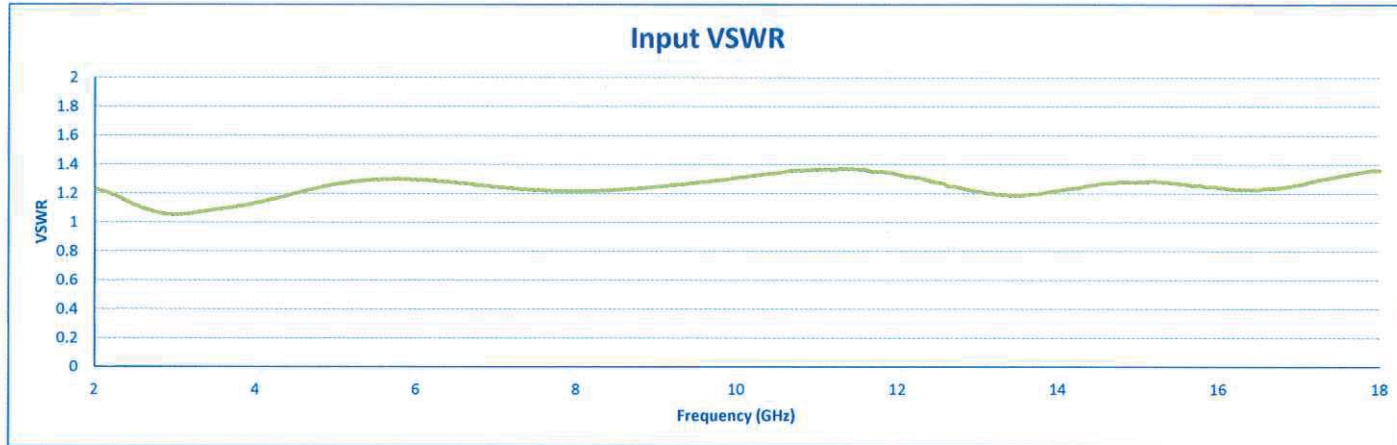


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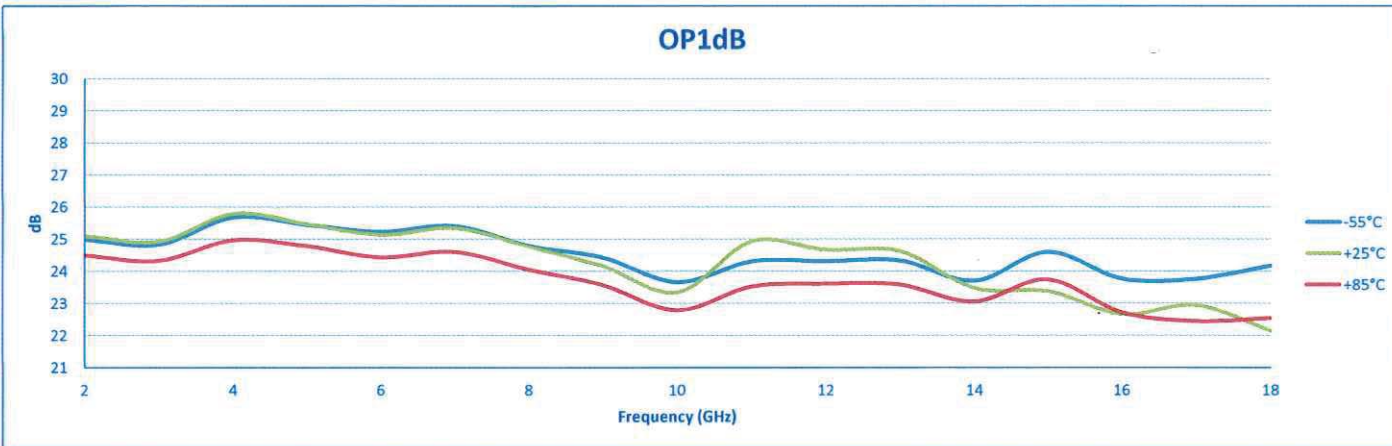
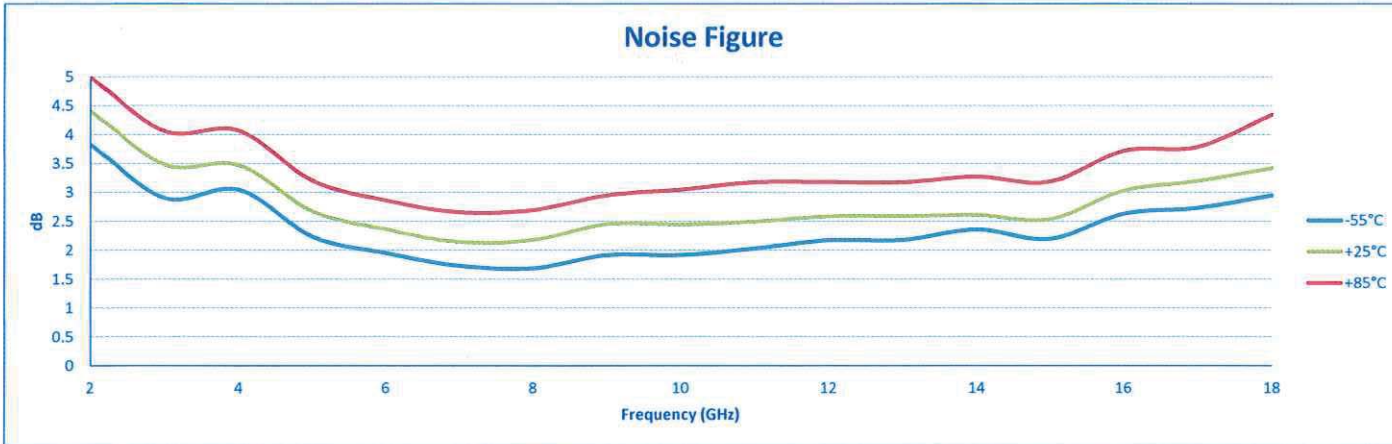


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<u>Freq</u> (GHz)	<u>IP3</u> (dBm)	<u>IP2</u> (dBm)
2	38.6	41.9
4	37.7	44.1
6	38.5	44.3
8	34.7	37.5
10	32.9	44.8
12	33.8	51.1
14	31.3	48.4
16	31	44
18	32.4	46.9

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