



**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: PL22124/1806

Tested By: K. Mansfield
 Temperatures: -55°C, +25°C, +85°C
 Date: 3/28/2018
 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	25.8 dB	25.1 dB	Pass See Plot	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	0.6 dB -0.7 dB	0.3 dB -0.8 dB	-0.5 dB -1.4 dB	Pass See Plot	
4	Gain Flatness: [*]	±1.5 dB (Relative to Nominal Gain)	±0.6 dB	±0.6 dB	±0.5 dB	Pass See Plot	
5	Noise Figure: ²	5.0 dB Max.	3.8 dB	4.3 dB	5 dB	Pass See Plot	
6	OP1dB: ²	+21 dBm Min. +25 dBm Goal	24.1 dBm	23.9 dBm	23 dBm	Pass See Plot	
7	OIP2: ³	+37 dBm Min.		37.8 dBm		Pass See Table	
8	OIP3: ³	+30 dBm Min.		31.7 dBm		Pass See Table	
9	Input VSWR: [*]	2.0:1 Max.		1.3:1		Pass See Plot	
10	Output VSWR: [*]	2.0:1 Max. (2.0 to 15.0 GHz)	1.8:1	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.	366 mA	388 mA	404 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.

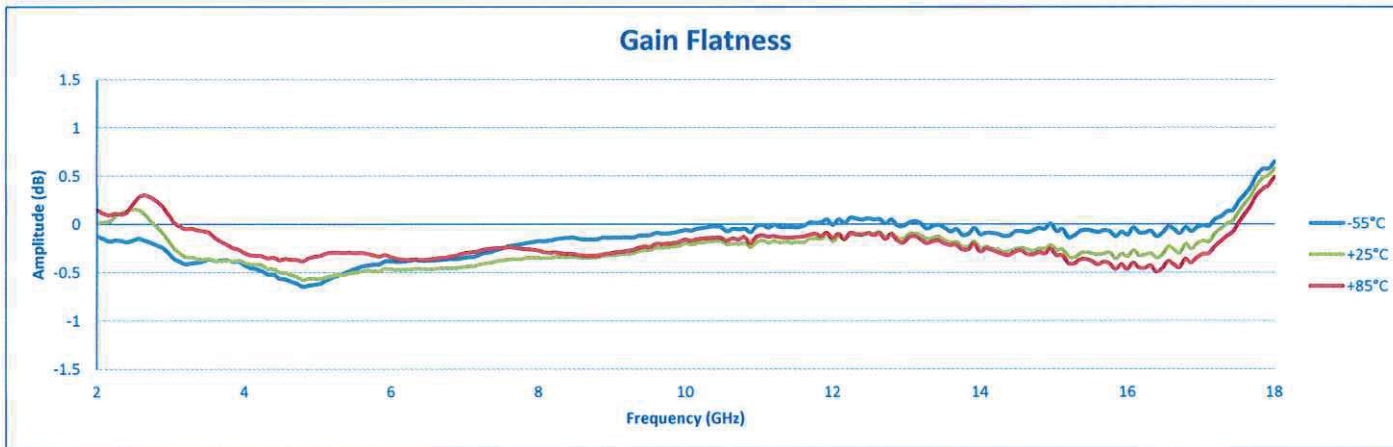
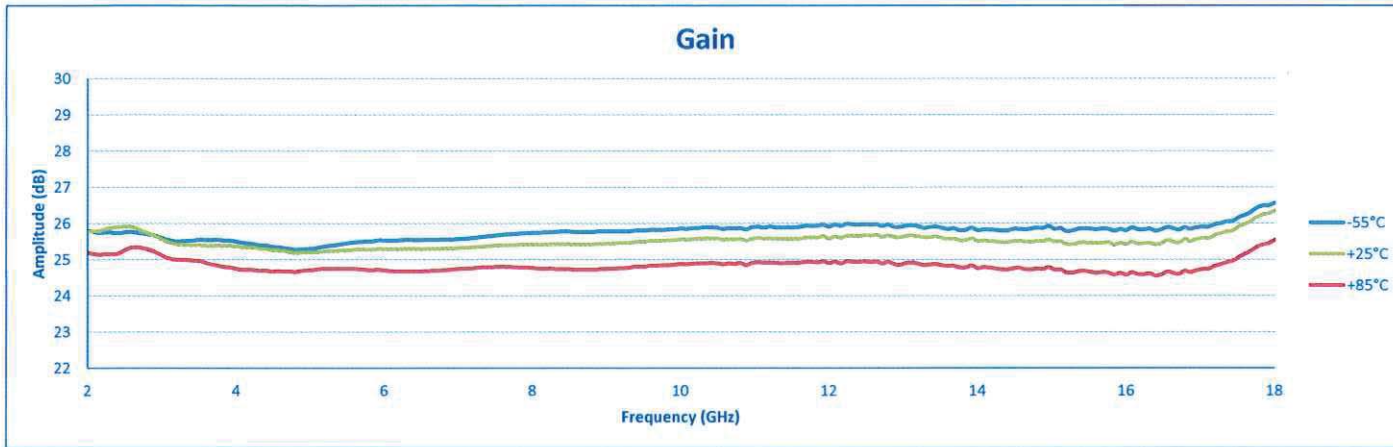
QA/QC Approval: PMI QA 2 Date: 3/29/18

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



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PL22174/1806

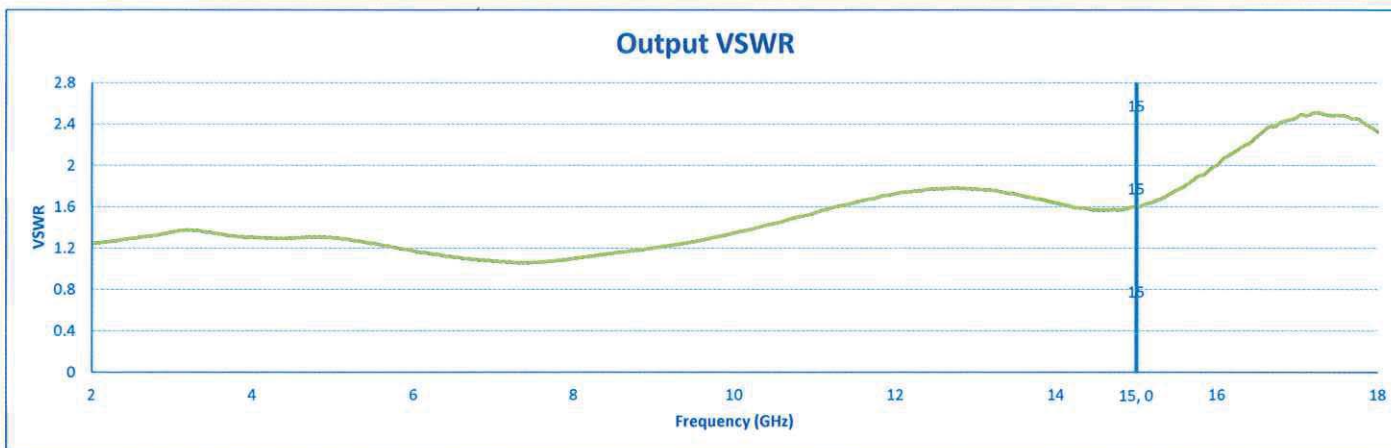
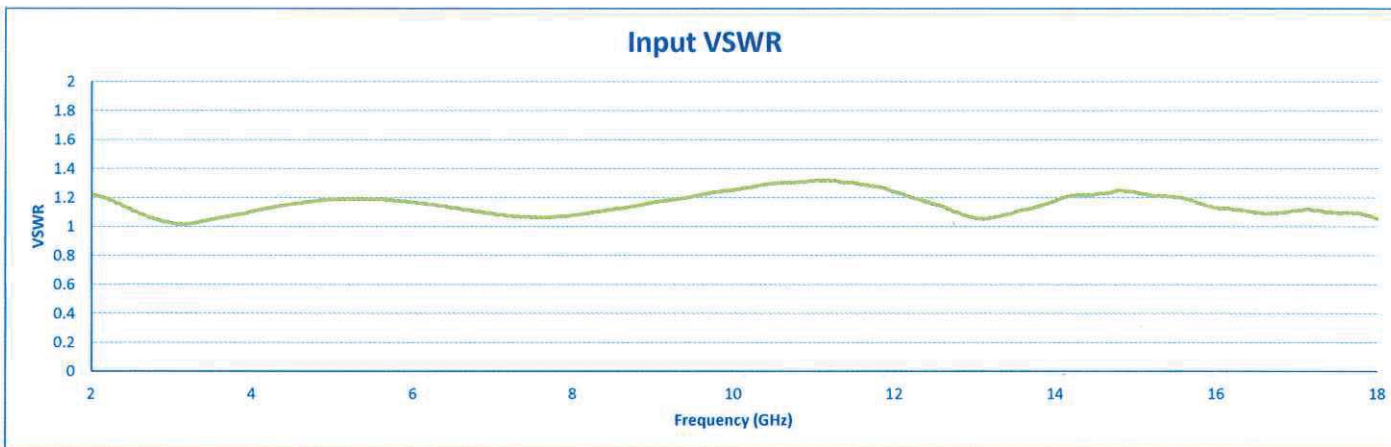


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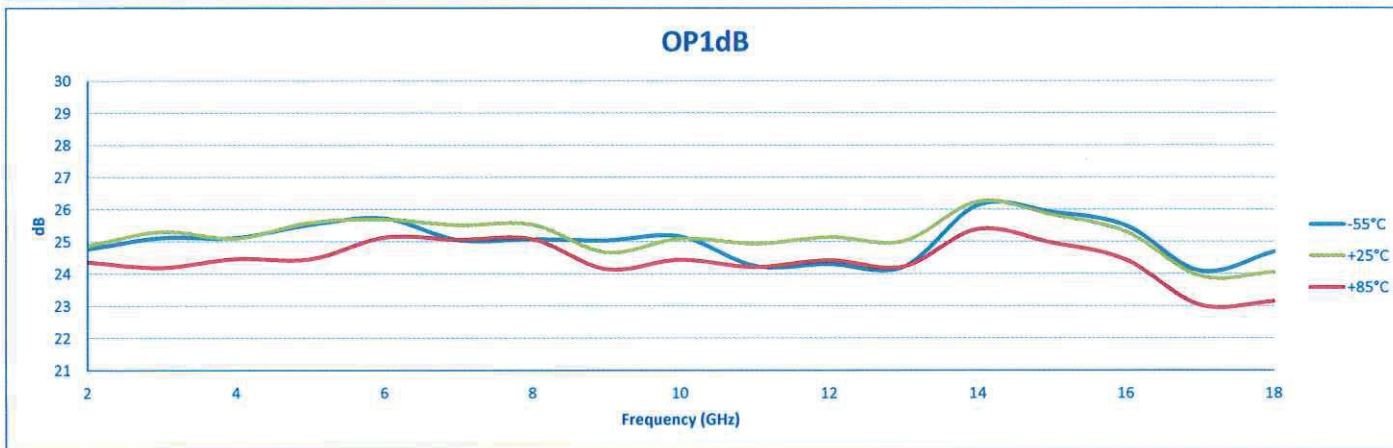
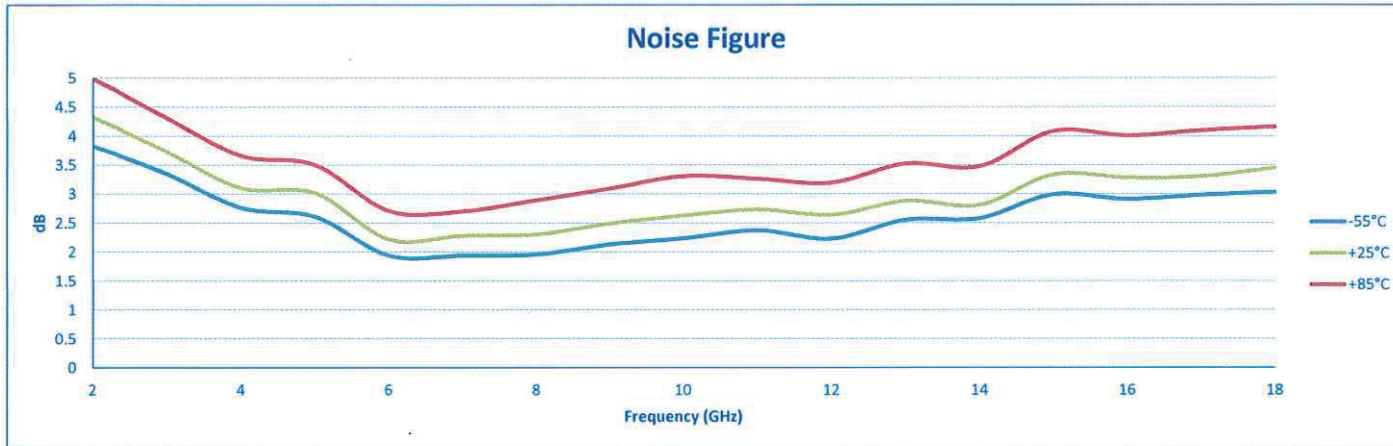


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<u>Freq</u> <u>(GHz)</u>	<u>IP3</u> <u>(dBm)</u>	<u>IP2</u> <u>(dBm)</u>
2	38.7	41.8
4	39.2	44.1
6	39.4	47.1
8	34.5	37.8
10	33.1	46.8
12	33.3	50.7
14	31.7	50.6
16	33.1	49.5
18	32.7	46.9

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