



**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: PL25265/1912

Tested By: K. Mansfield
 Temperatures: -55°C, +25°C, +85°C
 Date: 3/25/2019
 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 1
2	Nominal Gain: ¹	26 dB	26.3 dB	26.5 dB	25.5 dB	Pass See Plot	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	0.9 dB -0.3 dB	1.1 dB -0.2 dB	0 dB -0.9 dB	Pass See Plot	
4	Gain Flatness: ¹	±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	4.4 dB	5 dB	Pass See Plot	
6	OP1dB: ²	+21 dBm Min. +25 dBm Goal	23.8 dBm	24.3 dBm	23.6 dBm	Pass See Plot	
7	OIP2: ³	+37 dBm Min.	37.1 dBm	37.1 dBm	30.2 dBm	Pass See Table	
8	OIP3: ³	+30 dBm Min.		30.2 dBm		Pass See Table	
9	Input VSWR: ¹	2.0:1 Max.		1.3:1		Pass See Plot	
10	Output VSWR: ¹	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)	2.1:1	Pass See Plot			
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	368 mA	394 mA	412 mA	Pass	PMI QA 1

¹ 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: 3/27/19

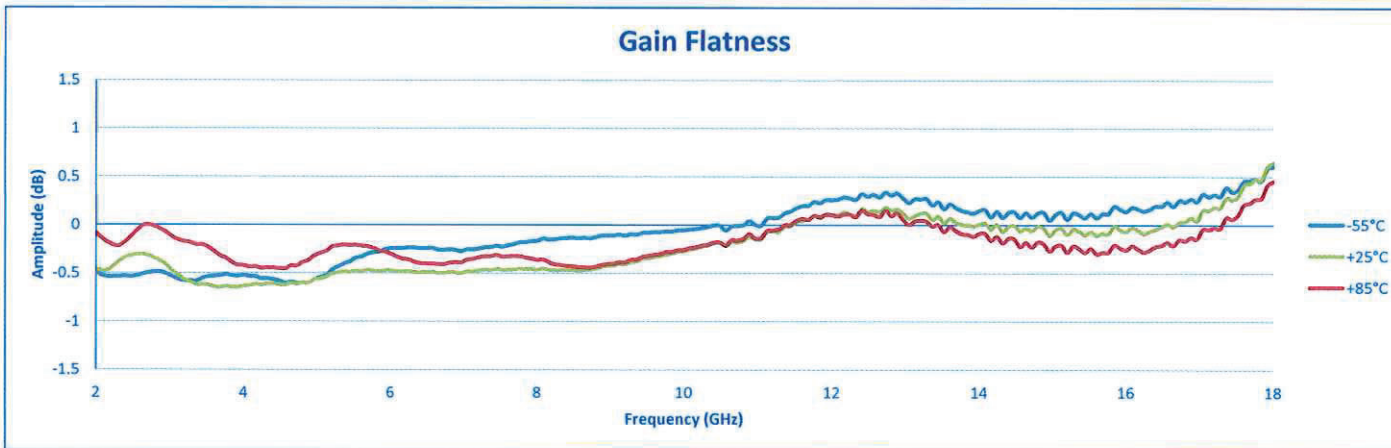
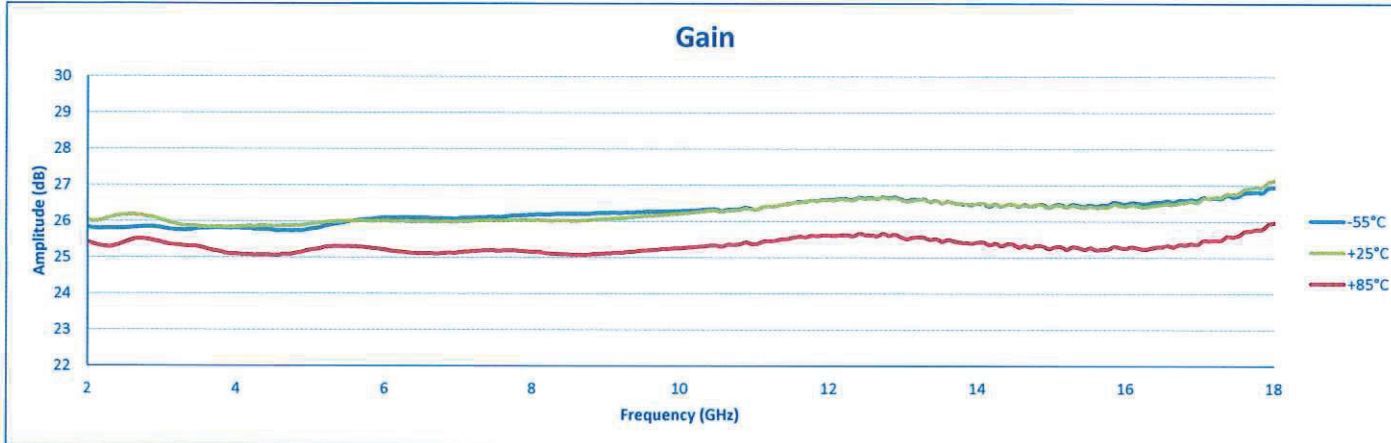
PMI
QA 1

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



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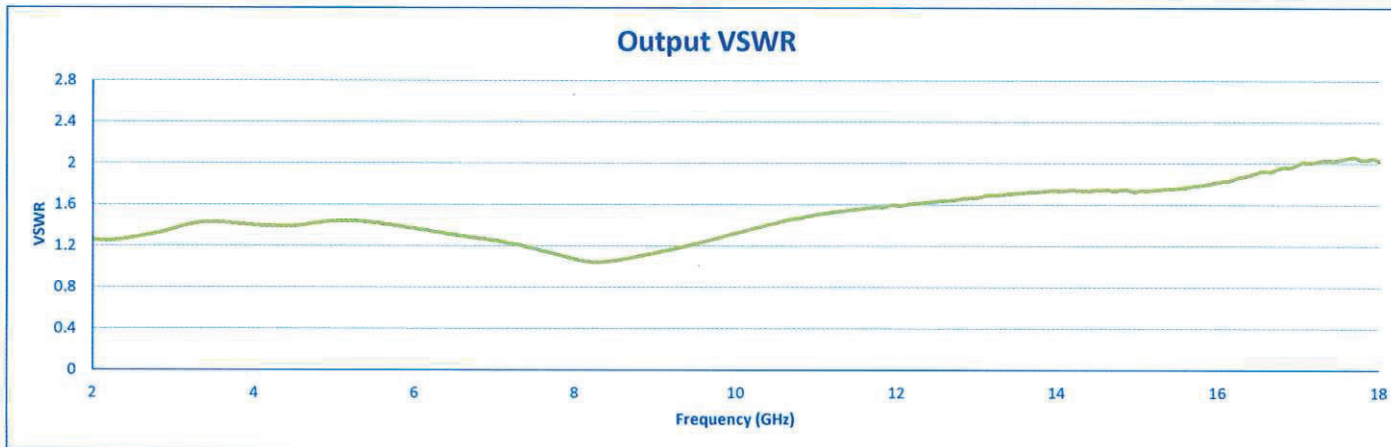
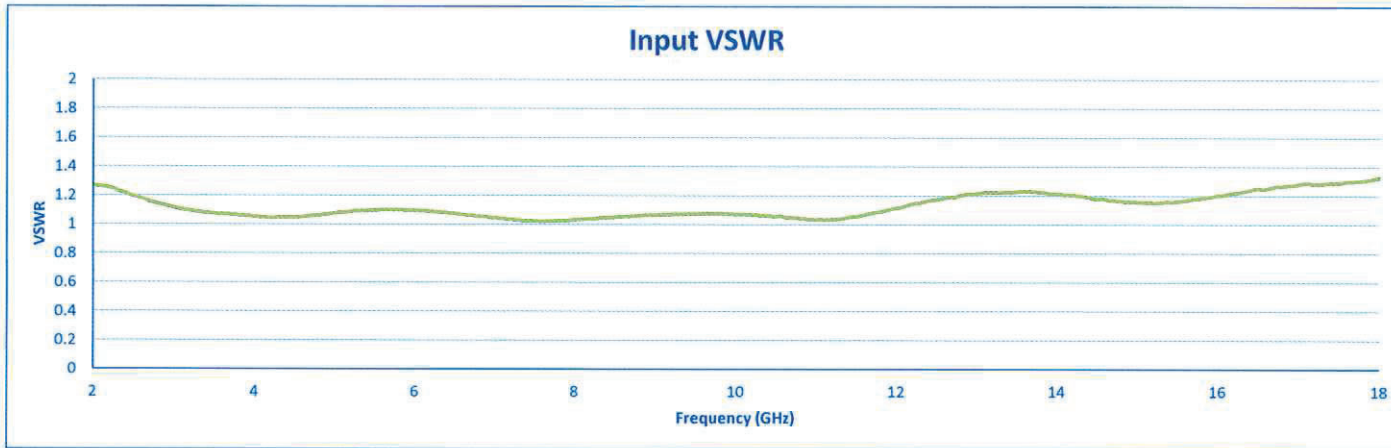


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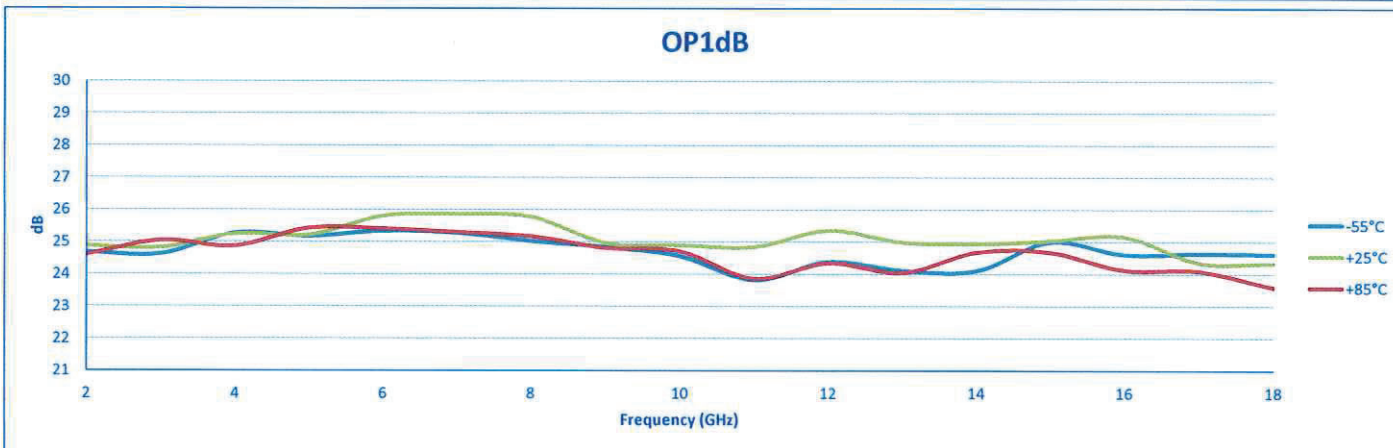
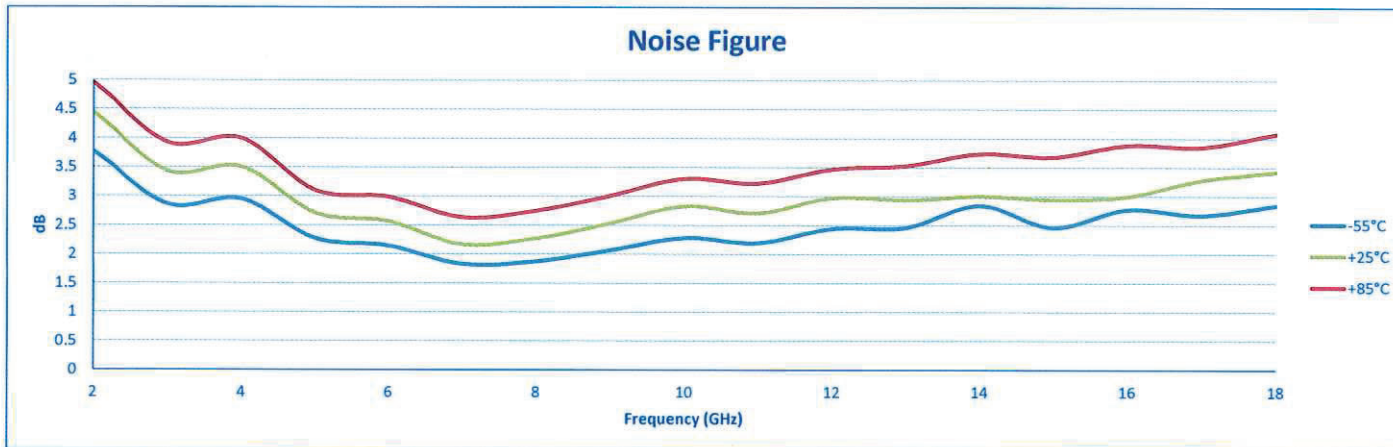


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<u>Freq</u> <u>(GHz)</u>	<u>IP3</u> <u>(dBm)</u>	<u>IP2</u> <u>(dBm)</u>
2	37.8	40.4
4	37.2	42.8
6	36.9	43.5
8	33.7	37.1
10	32.3	46.3
12	32.6	52.1
14	31.1	51.6
16	30.2	47.9
18	31.5	48.7

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