



**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: PL22351/1812

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	26.2 dB	26.4 dB	25.4 dB	Pass See Plot	
3	Gain Window:	±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain)	0.8 dB -0.3 dB	0.9 dB -0.2 dB	0 dB -1.1 dB	Pass See Plot	
4	Gain Flatness: [*]	±1.5 dB (Relative to Nominal Gain)	±0.6 dB	±0.6 dB	±0.6 dB	Pass See Plot	
5	Noise Figure: ²	5.0 dB Max.	3.8 dB	4.5 dB	4.9 dB	Pass See Plot	
6	OP1dB: ²	+21 dBm Min. +25 dBm Goal	23.5 dBm	23.3 dBm	22.4 dBm	Pass See Plot	
7	OIP2: ³	+37 dBm Min.	38.3 dBm	38.3 dBm	31.3 dBm	Pass See Table	
8	OIP3: ³	+30 dBm Min.		31.3 dBm		Pass See Table	
9	Input VSWR: [*]	2.0:1 Max.		1.5:1		Pass See Plot	
10	Output VSWR: [*]	2.0:1 Max. (2.0 to 15.0 GHz)	1.9:1	Pass See Plot			
		2.8:1 Max. (15.0 to 18.0 GHz)	2.3:1	Pass See Plot			
11	DC Supply:	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max.	375 mA	404 mA	423 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: 

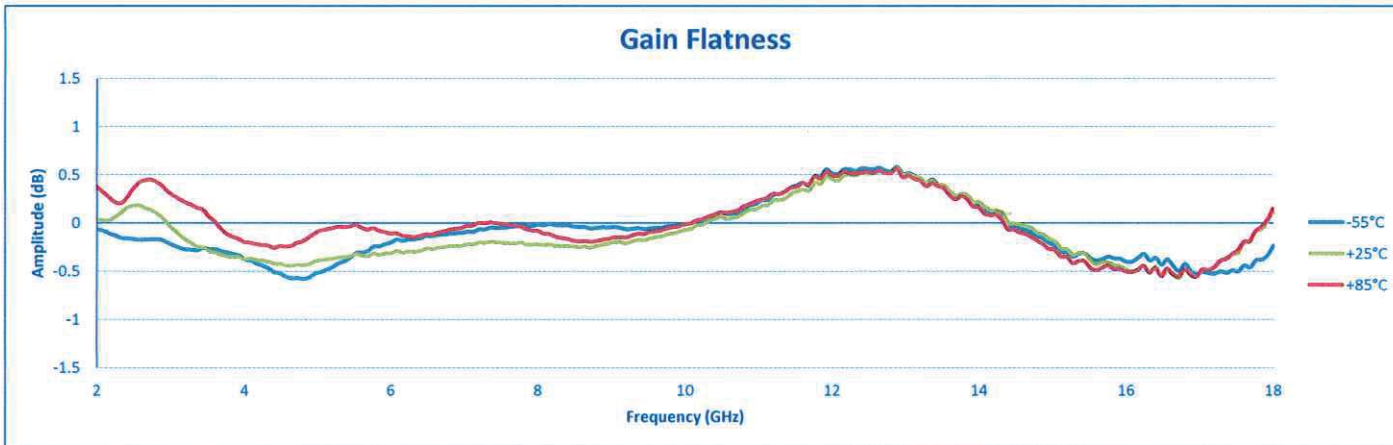
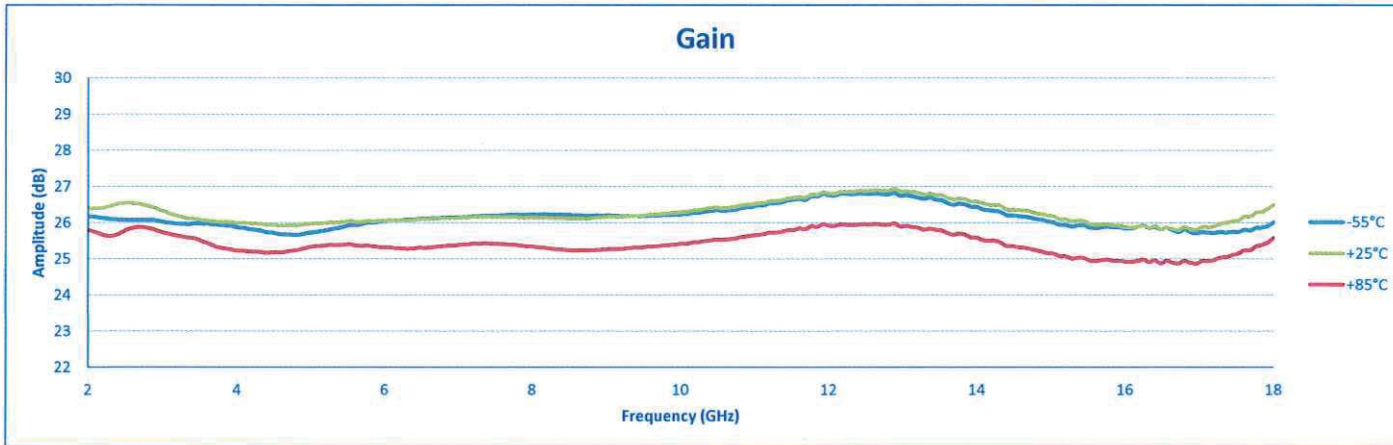
Date: 4/9/18

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



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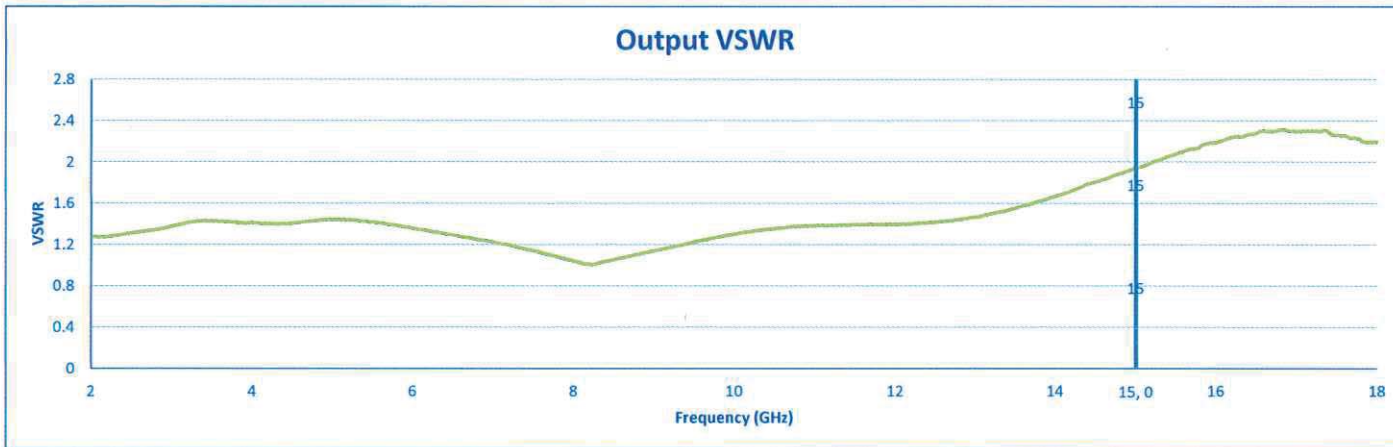
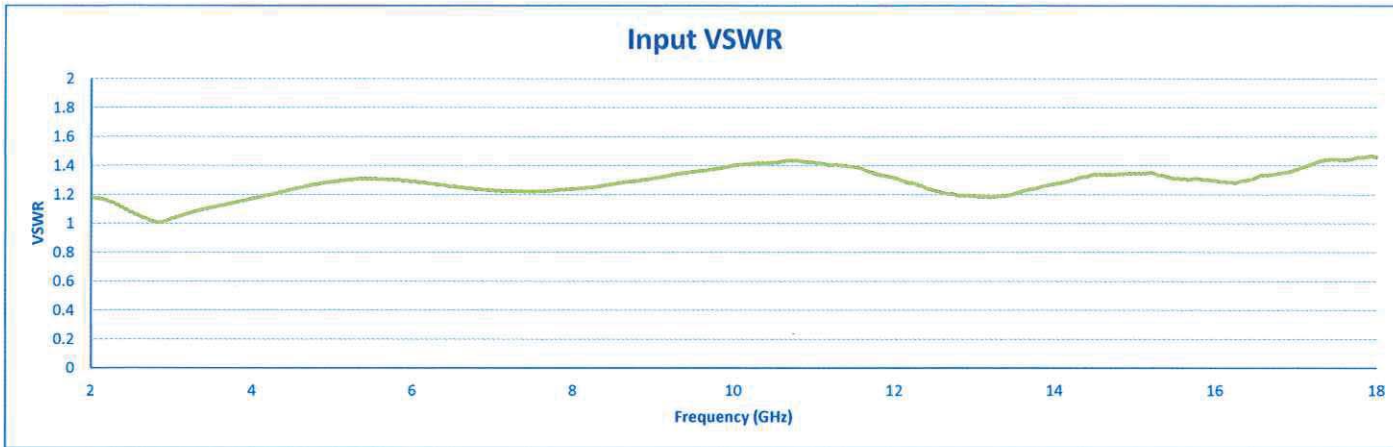


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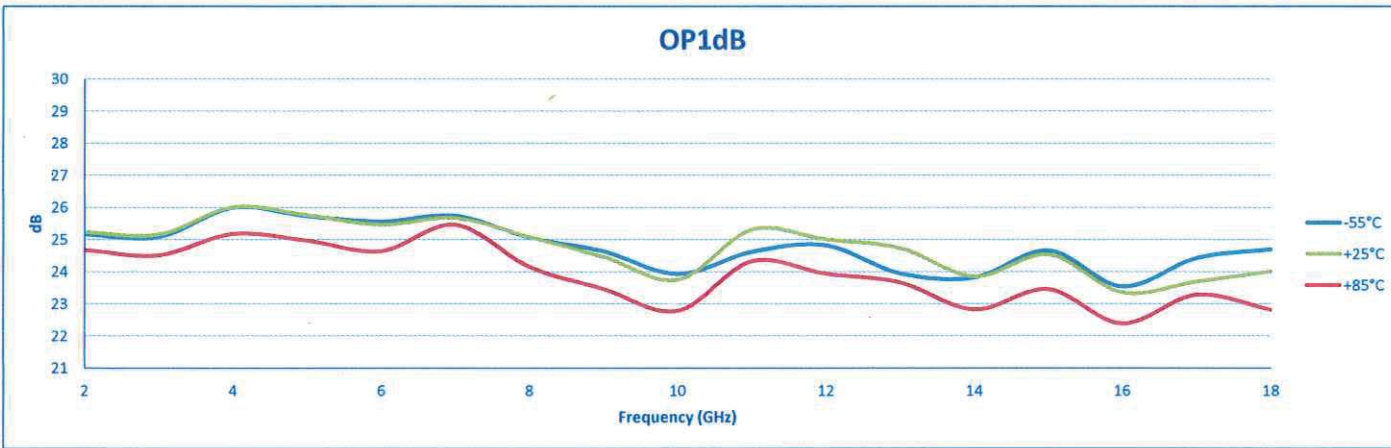
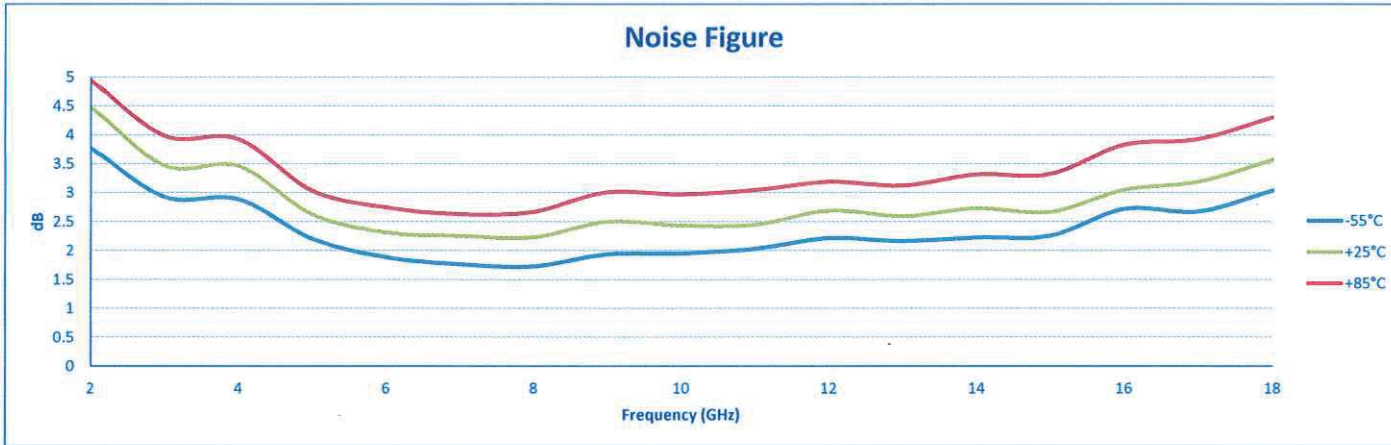


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<u>Freq</u> <u>(GHz)</u>	<u>IP3</u> <u>(dBm)</u>	<u>IP2</u> <u>(dBm)</u>
2	37.8	41.1
4	37.1	42.9
6	39	45.7
8	34.7	39.8
10	32.9	46.8
12	33.4	50.5
14	31.3	46
16	32.1	40.6
18	31.8	38.3

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