



**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: PL25263/1912

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:* | 26 dB | 26 dB | 26.4 dB | 25.5 dB | Pass See Plot | PMI QA 1 |
| 3 | Gain Window: | ±4.0 dB (22 dB Min. / 30 dB Max.) (Relative to Nominal Gain) | 0.6 dB -0.5 dB | 1.1 dB -0.3 dB | 0 dB -1 dB | Pass See Plot | |
| 4 | Gain Flatness:* | ±1.5 dB (Relative to Nominal Gain) | ±0.6 dB | ±0.7 dB | ±0.5 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 | 23.8 dBm | 24.3 dBm | 23.5 dBm | Pass See Plot | |
| 7 | OIP2: ³ | +37 dBm Min. | 37.7 dBm | 30.8 dBm | 1.2:1 | 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) | 1.7:1 | 2.1:1 | Pass See Plot | Pass See Plot | |
| | | 2.8:1 Max. (15.0 to 18.0 GHz) | | | | Pass See Plot | |
| 11 | DC Supply: | +11 to +12.5 VDC @ 400 mA Goal, 450 mA Max. | 367 mA | 400 mA | 413 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.

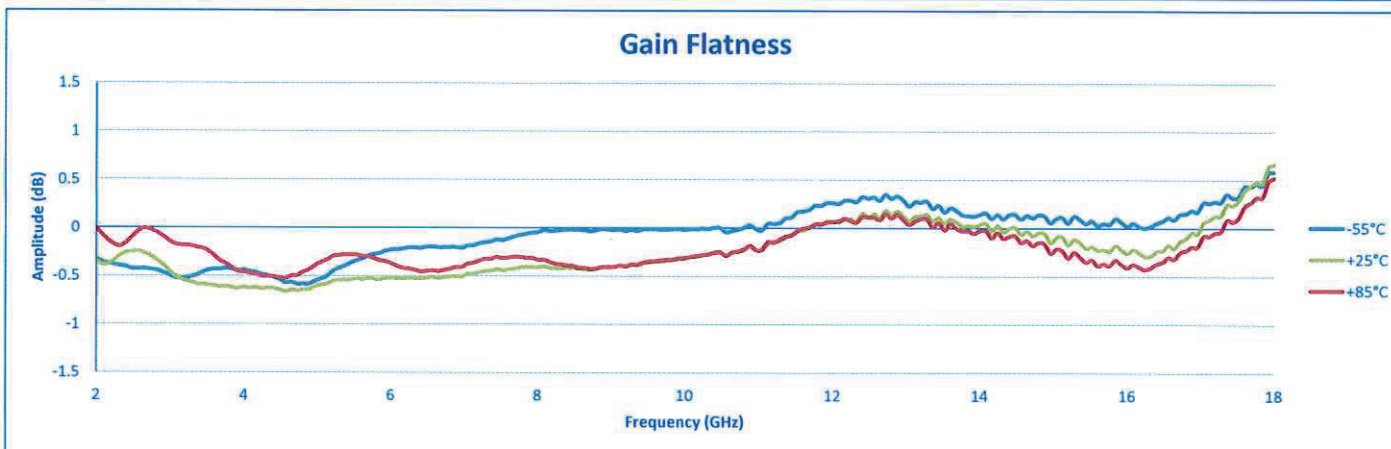
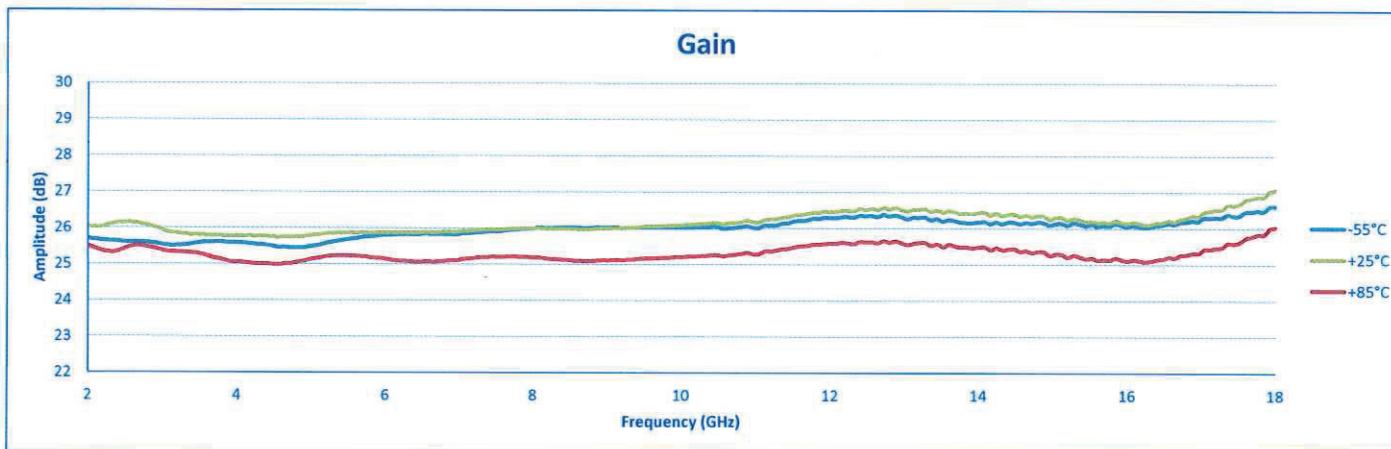
QA/QC Approval: *[Signature]* PMI QA 1 Date: 3/27/19

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



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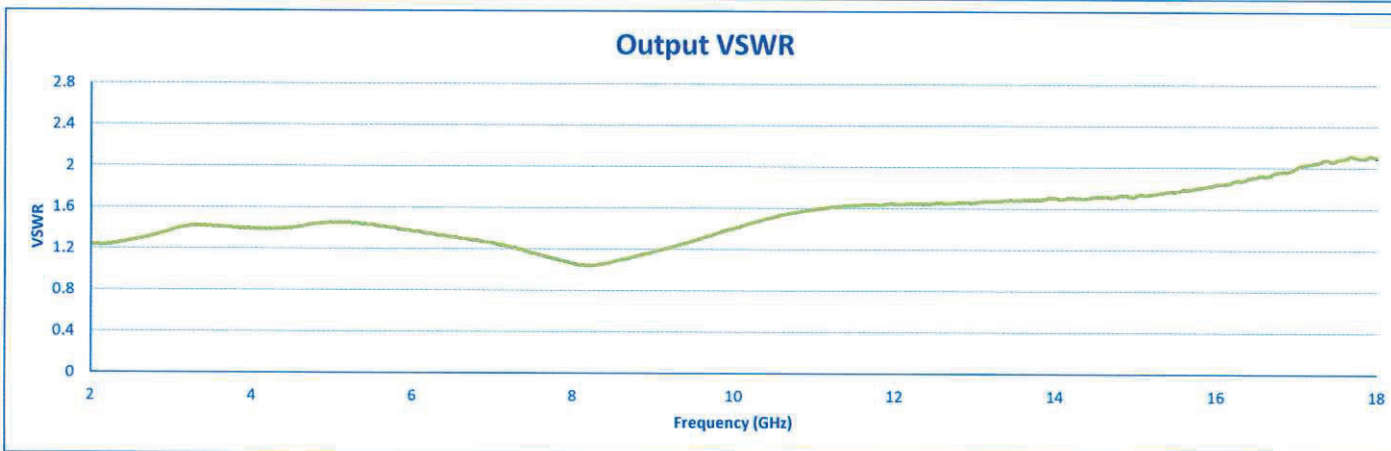
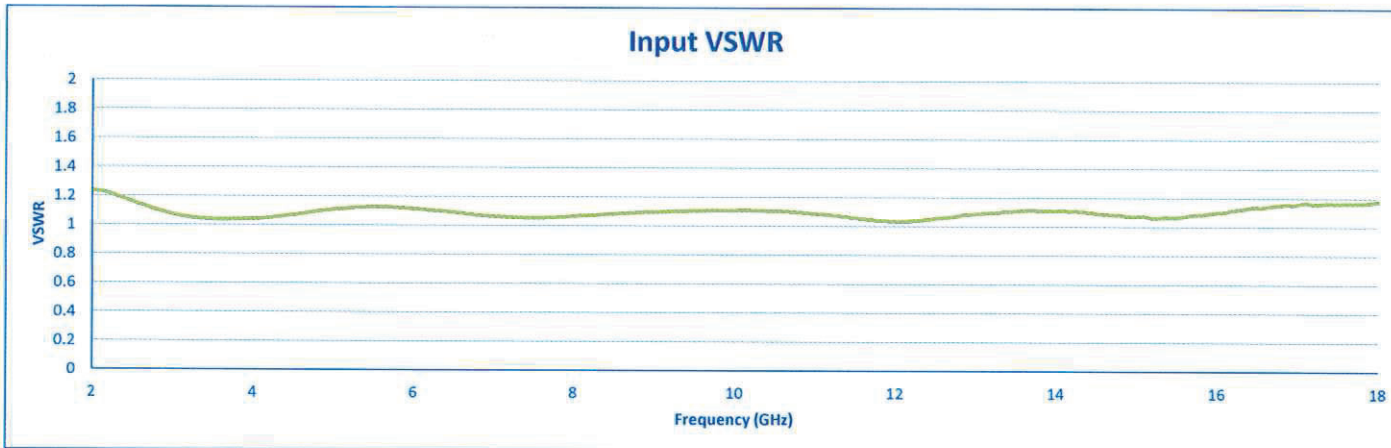


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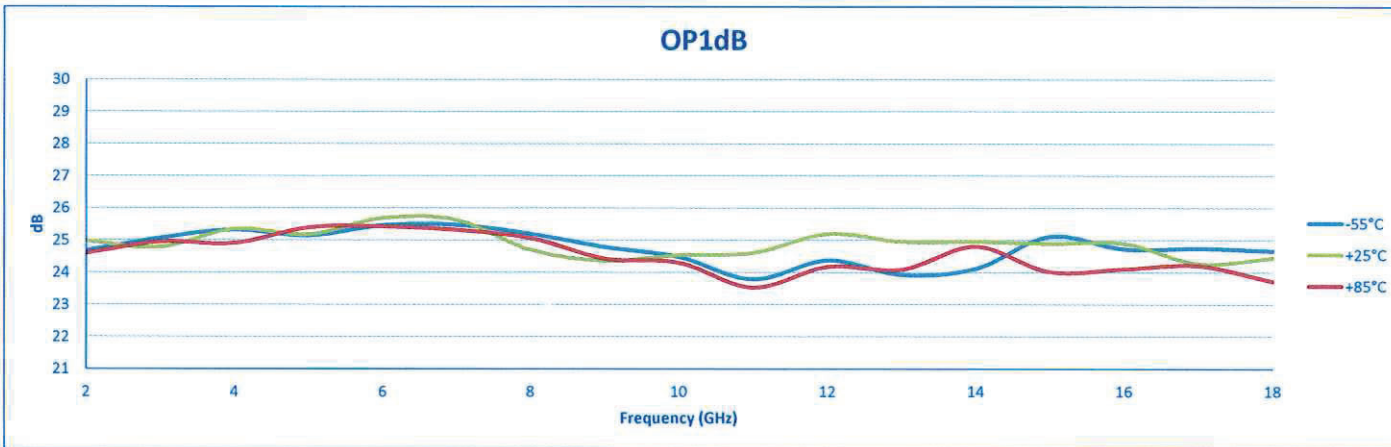
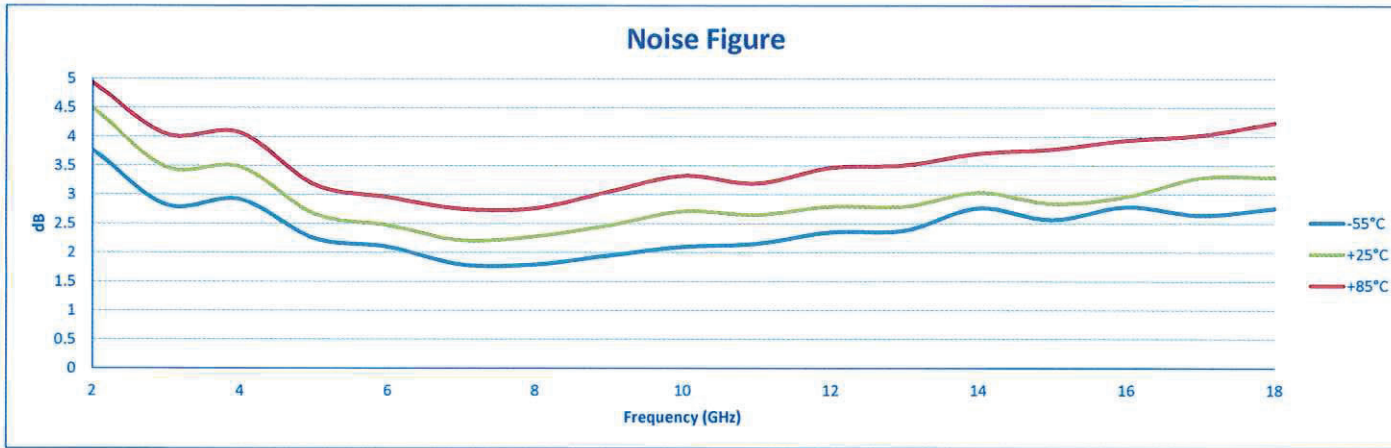


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| <u>Freq</u> <u>(GHz)</u> | <u>IP3</u> <u>(dBm)</u> | <u>IP2</u> <u>(dBm)</u> |
|-----------------------------|----------------------------|----------------------------|
| 2 | 37.6 | 39.9 |
| 4 | 37.2 | 42.9 |
| 6 | 36.3 | 43.6 |
| 8 | 33.1 | 37.7 |
| 10 | 31.9 | 45.4 |
| 12 | 32.4 | 51.9 |
| 14 | 31 | 51.6 |
| 16 | 30.8 | 48.2 |
| 18 | 31.3 | 49 |

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