



**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: PL22111/1805

Tested By: K. Mansfield  
 Temperatures: -55°C, +25°C, +85°C  
 Date: 2/13/2018  
 Drawing No: 27633170 Rev: B1

| 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      | PMI<br>QA 2 |
| 2         | Nominal Gain:*             | 26 dB   | 26.2 dB          | 26.2 dB            | 25.4 dB          | Pass      |             |
| 3         | Gain Window:               | ±4.0 dB (22 dB Min. / 30 dB Max.)<br>(Relative to Nominal Gain) | +1 dB<br>-0.5 dB | +0.8 dB<br>-0.4 dB | -0.1 dB<br>-1 dB | Pass      |             |
| 4         | Gain Flatness:*            | ±1.5 dB<br>(Relative to Nominal Gain)                           | ±0.7 dB          | ±0.6 dB            | ±0.4 dB          | Pass      |             |
| 5         | Noise Figure: <sup>2</sup> | 5.0 dB Max.   | 3.3 dB           | 3.8 dB             | 4.3 dB           | Pass      |             |
| 6         | OP1dB: <sup>2</sup>        | +21 dBm Min.<br>+25 dBm Goal                                    | +23.9 dBm        | +24.2 dBm          | +23.2 dBm        | Pass      |             |
| 7         | OIP2: <sup>3</sup>         | +37 dBm Min.  |                  | +43 dBm            |                  | Pass      |             |
| 8         | OIP3: <sup>3</sup>         | +30 dBm Min.  |                  | +35 dBm            |                  | Pass      |             |
| 9         | Input VSWR:*               | 2.0:1 Max.  |                  | 1.5:1              |                  | Pass      |             |
| 10        | Output VSWR:*              | 2.8:1 Max.  |                  | 2.6:1              |                  | Pass      |             |
| 11        | DC Supply:                 | +11 to +12.5 VDC @<br>400 mA Goal, 450 mA Max.                  | 376 mA           | 405 mA             | 418 mA           | Pass      | PMI<br>QA 2 |

\* Gain and Gain Flatness shall be measured with 100 MHz steps (201 Points Minimum)

<sup>2</sup> Noise Figure and OP1dB shall be measured with 1 GHz steps

<sup>3</sup> OIP2 and OIP3 shall be measured with 2 GHz steps

QA/QC Approval:

PMI  
QA 2

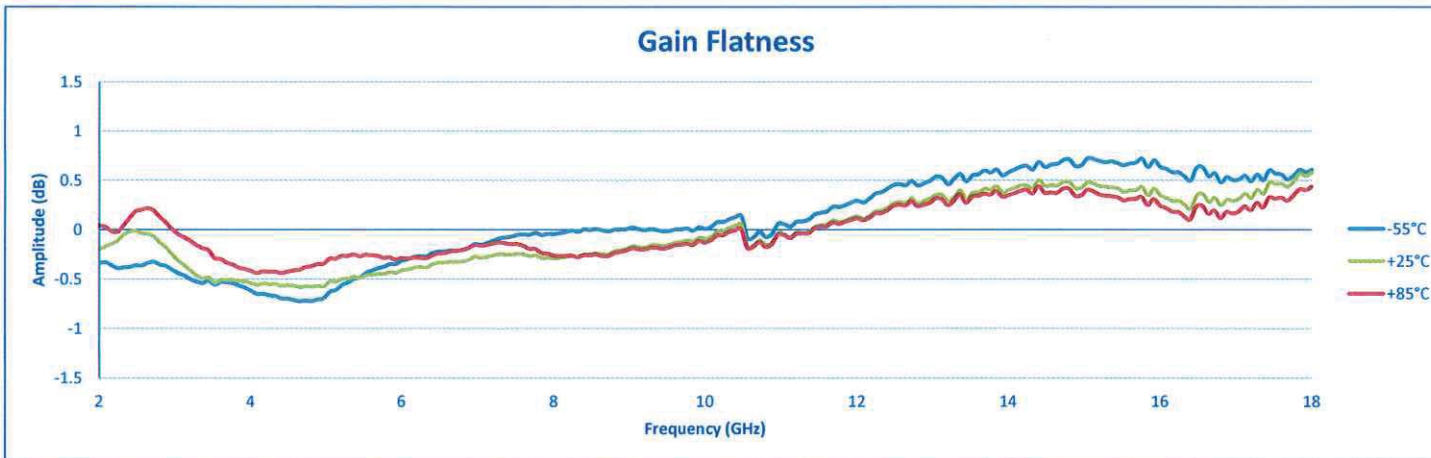
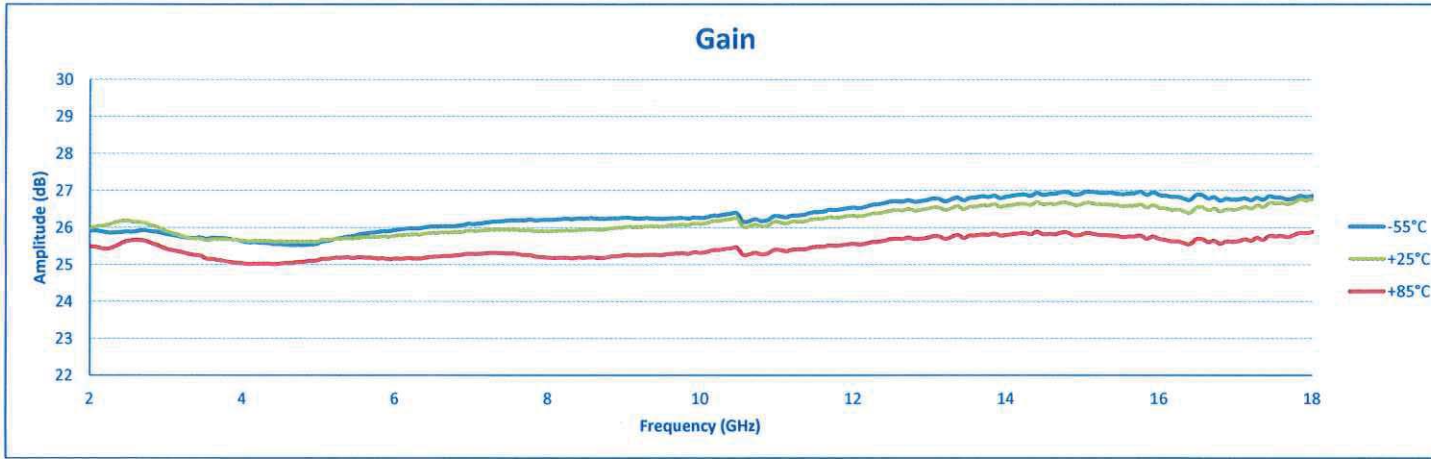
Date: 2/14/18

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 Email: sales@pmi-rf.com



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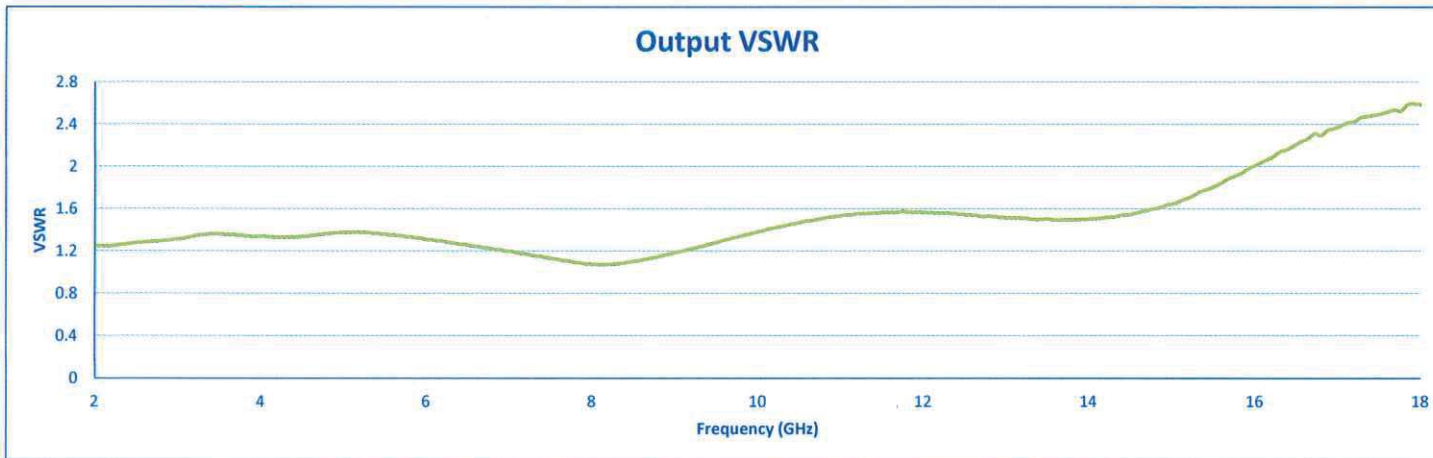
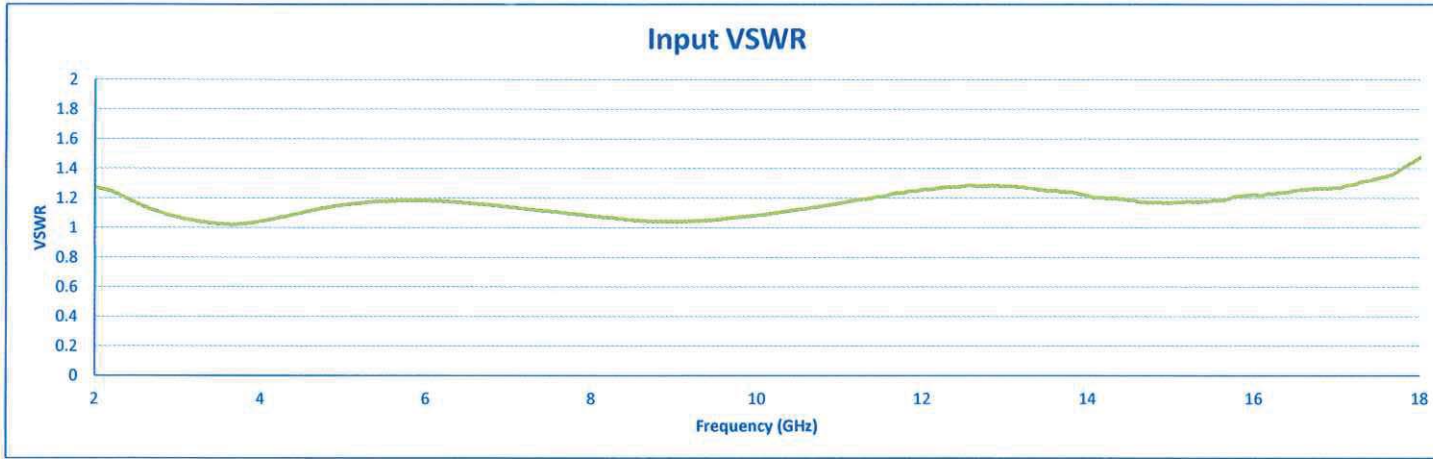


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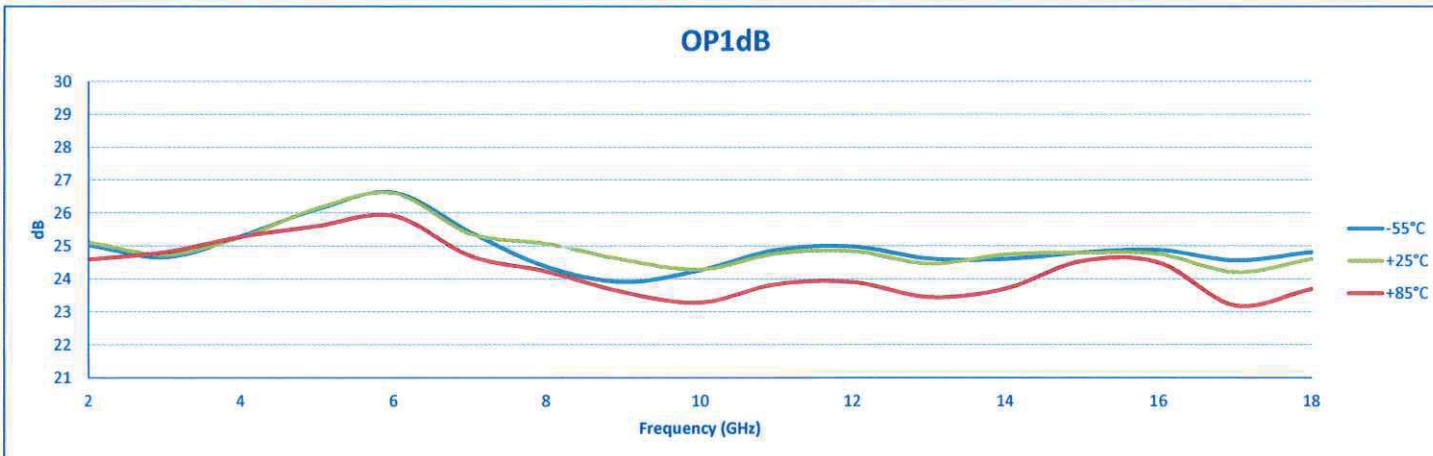
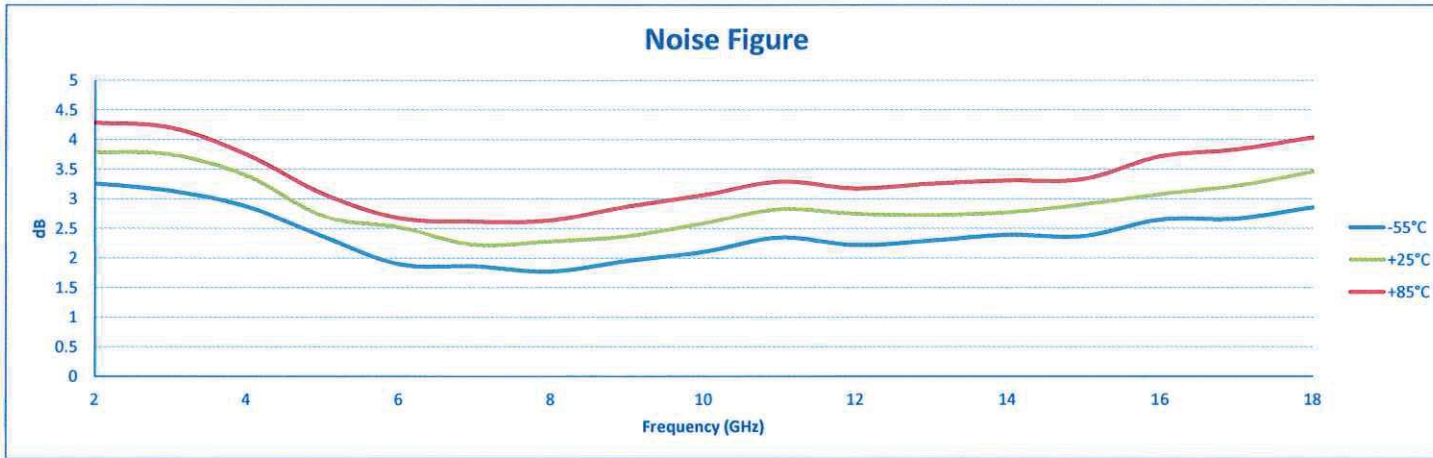


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| <u>Freq</u> | <u>IP3</u> | <u>IP2</u> |
|-------------|------------|------------|
| 2000        | 36.15      | 54.3       |
| 4000        | 35.75      | 48.5       |
| 6000        | 35.2       | 48.6       |
| 8000        | 37.1       | 55.7       |
| 10000       | 37.25      | 44.8       |
| 12000       | 36.45      | 43.9       |
| 14000       | 37.3       | 47.9       |
| 16000       | 37.8       | 44         |
| 18000       | 37.3       | 43.4       |

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