

**SUMMARY TEST DATA  
ON  
PEC-30-10M20-SFF**

Customer: \_\_\_\_\_

Tested By: K. Mansfield

SO No: \_\_\_\_\_

Temperature: +25° C

Model No: PEC-30-10M20-SFF

Date: 12/20/2023

Serial No: PL40063/2313

Drawing No: 27633840

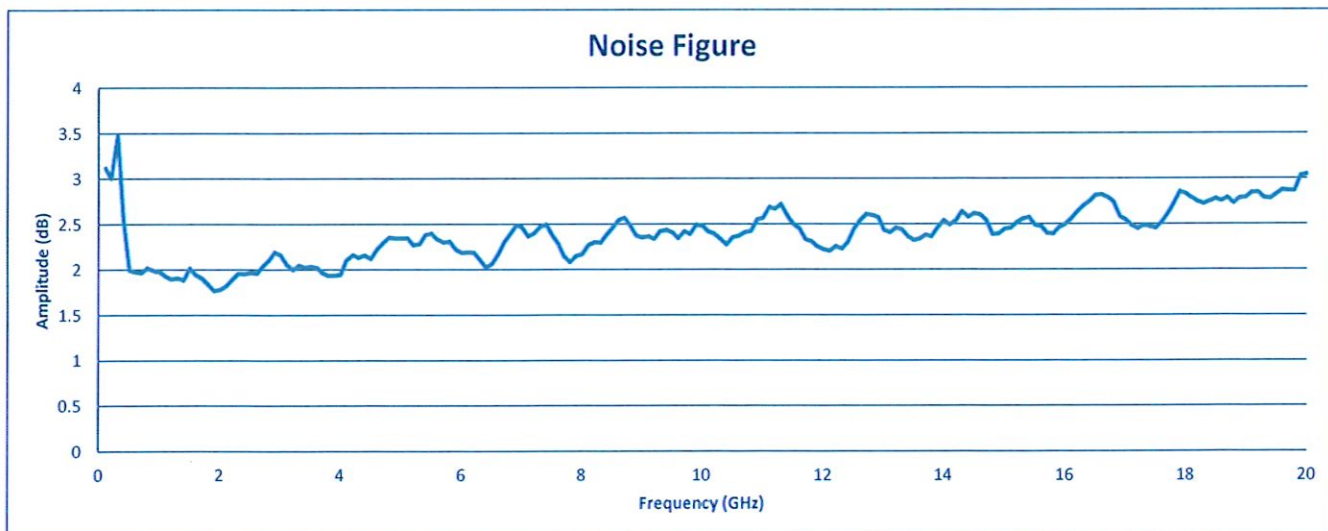
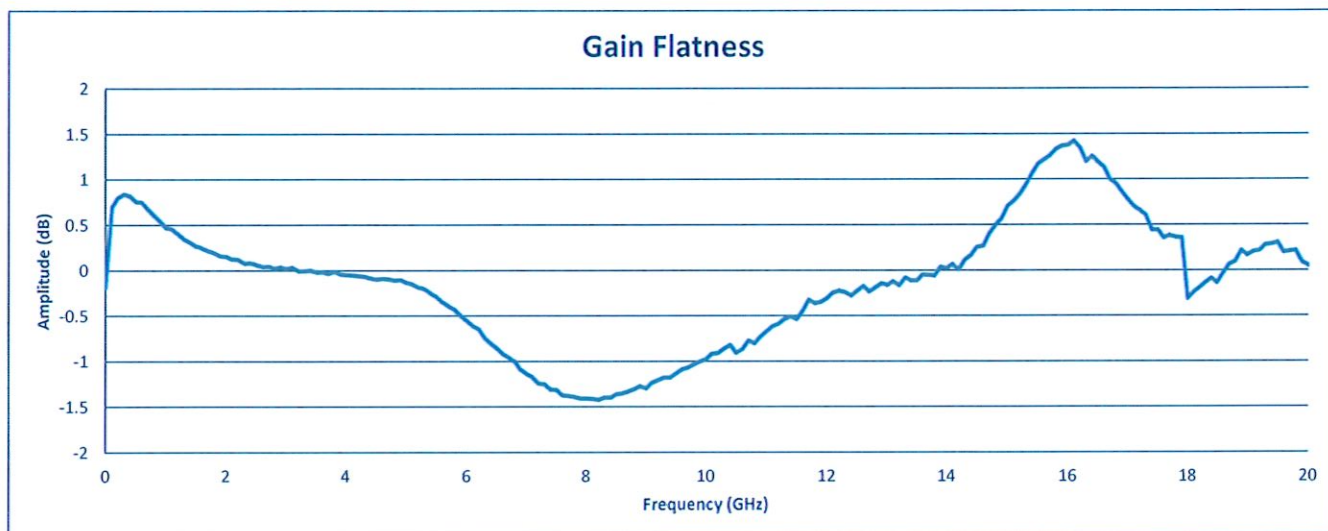
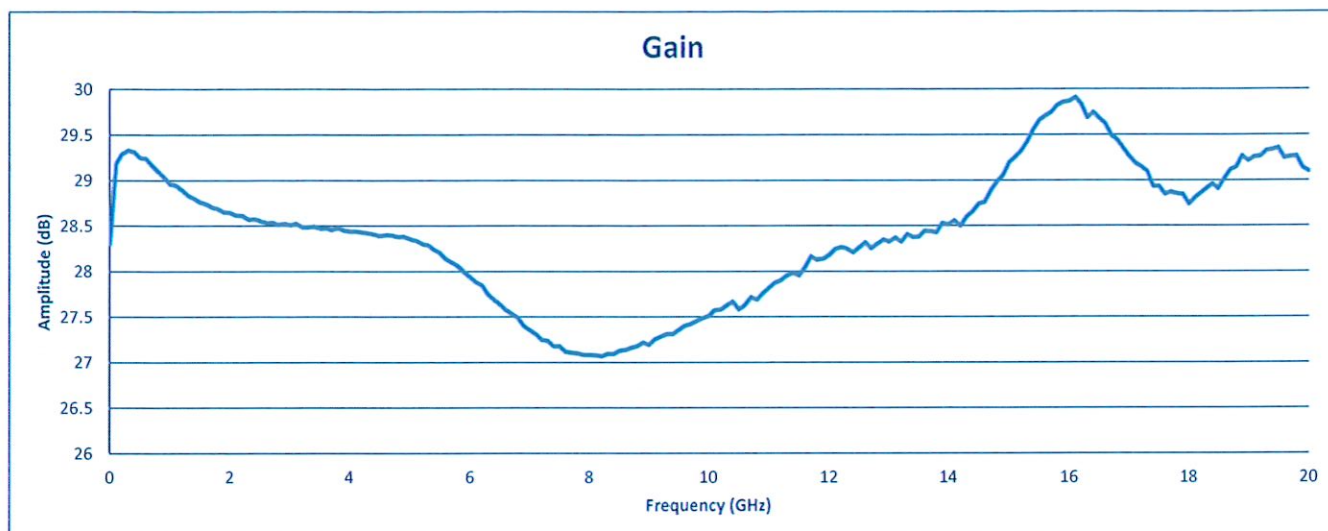
REV: A3

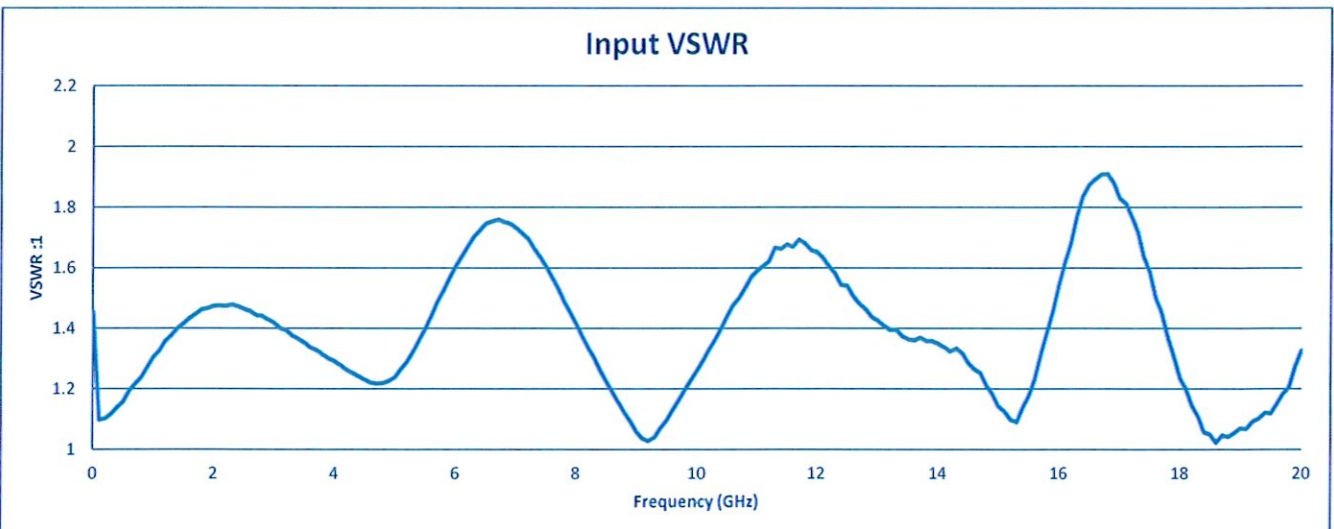
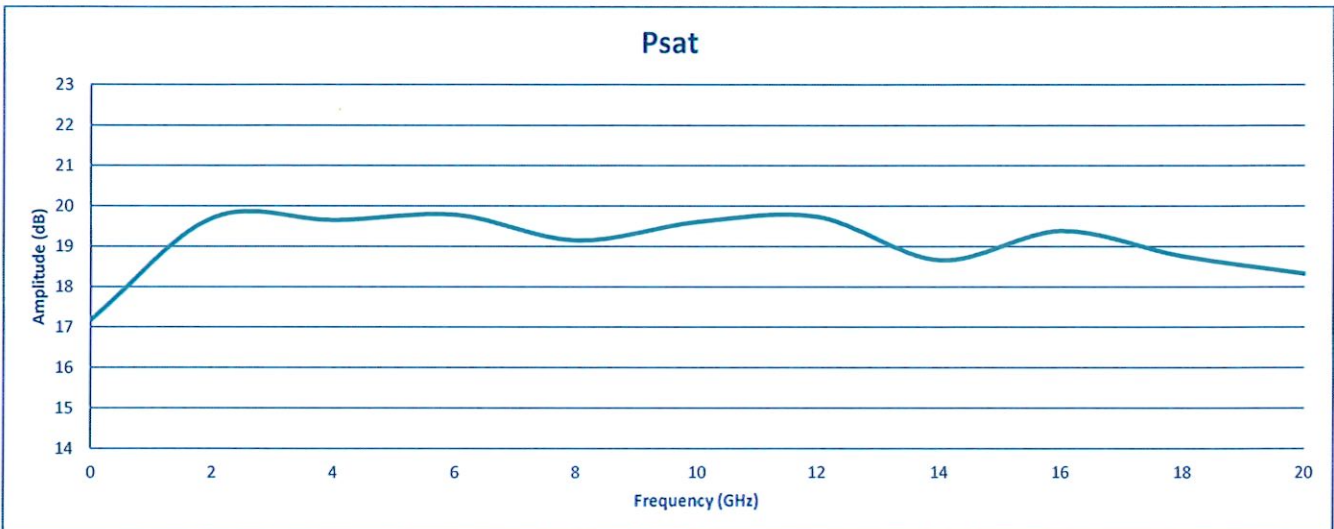
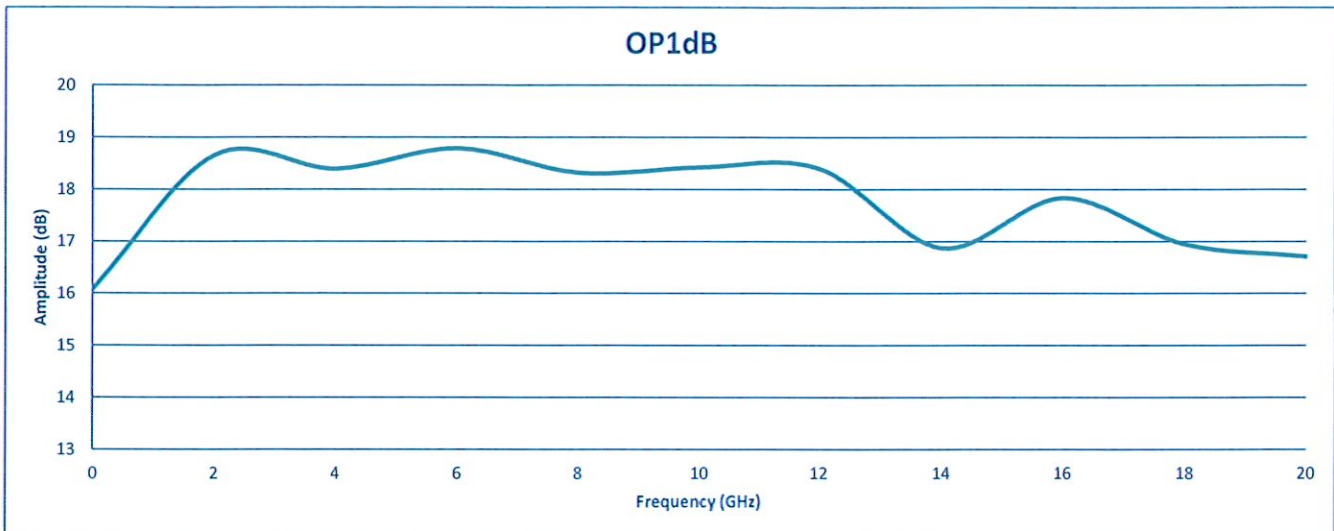
| TEST<br>ITEM NO. | PARAMETERS         | SPECIFIED VALUE                                                | Test Results                               | QA<br>QC   |
|------------------|--------------------|----------------------------------------------------------------|--------------------------------------------|------------|
| 1                | Frequency Range:   | 10 MHz to 20.0 GHz                                             | 10 MHz to 20.0 GHz                         | PMI<br>QA2 |
| 2                | Gain:              | 26 dB Min. (10 MHz to 18 GHz)<br>28 dB Min. (18 to 20 GHz)     | +27.1 dB Min.<br>+28.7 dB Min.<br>See Plot |            |
| 3                | Gain Flatness:     | ±2 dB Max. (10 MHz to 18 GHz)<br>±2.75 dB Max. (18 to 20 GHz)  | ±1.42 dB<br>±0.31 dB<br>See Plot           |            |
| 4                | Noise Figure:      | 3.5 dB Max. (100 MHz to 18 GHz)<br>4.0 dB Max. (18 to 20 GHz)  | 3.5 dB<br>3 dB<br>See Plot                 |            |
| 5                | OP1dB:             | +14 dBm Min. (10 MHz to 18 GHz)<br>+13 dBm Min. (18 to 20 GHz) | +16.1 dBm<br>+16.7 dBm<br>See Plot         |            |
| 6                | Psat               | +15 dBm Min. (10 MHz to 18 GHz)<br>+14 dBm Min. (18 to 20 GHz) | +17.2 dBm<br>+18.3 dBm<br>See Plot         |            |
| 7                | VSWR Input         | 2.0:1 Max. (10 MHz to 18 GHz)<br>2.2:1 Max. (18 to 20 GHz)     | 1.91:1<br>1.33:1<br>See Plot               |            |
| 8                | VSWR Output:       | 2.1:1 Max. (10 MHz to 18 GHz)<br>2.4:1 Max. (18 to 20 GHz)     | 2.04:1<br>1.75:1<br>See Plot               |            |
| 9                | Reverse Isolation: | 36 dB Min. (10 MHz to 18 GHz)<br>35 dB Min. (18 to 20 GHz)     | 38 dB<br>39 dB<br>See Plot                 |            |
| 10               | DC Supply:         | +12 to +15 VDC<br>@ 170 mA MAX.                                | 153 mA                                     | PMI<br>QA2 |

QA/QC Approval: \_\_\_\_\_

PMI  
QA2

Date: 12/20/2023





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