

**SUMMARY TEST DATA
 ON
 PEC-50-500M40G-20-12-292FF-BG-OPT250M**

Customer: _____
 SO No: _____
 Model No: PEC-50-500M40G-20-12-292FF-BG-OPT250M
 Serial No: PL53950/2528

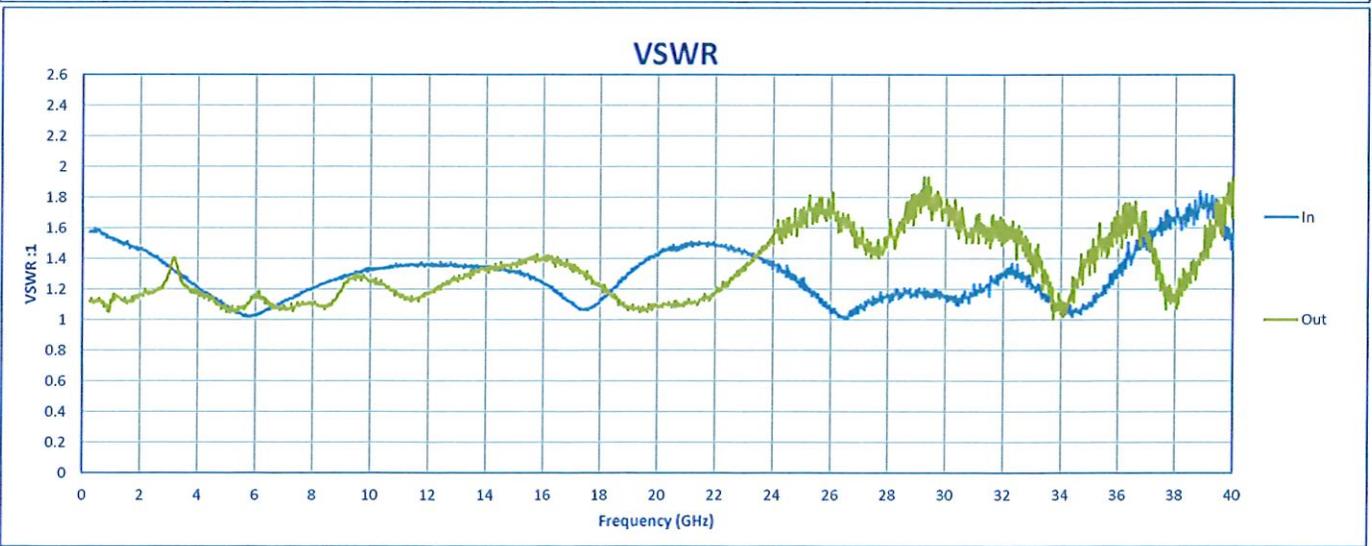
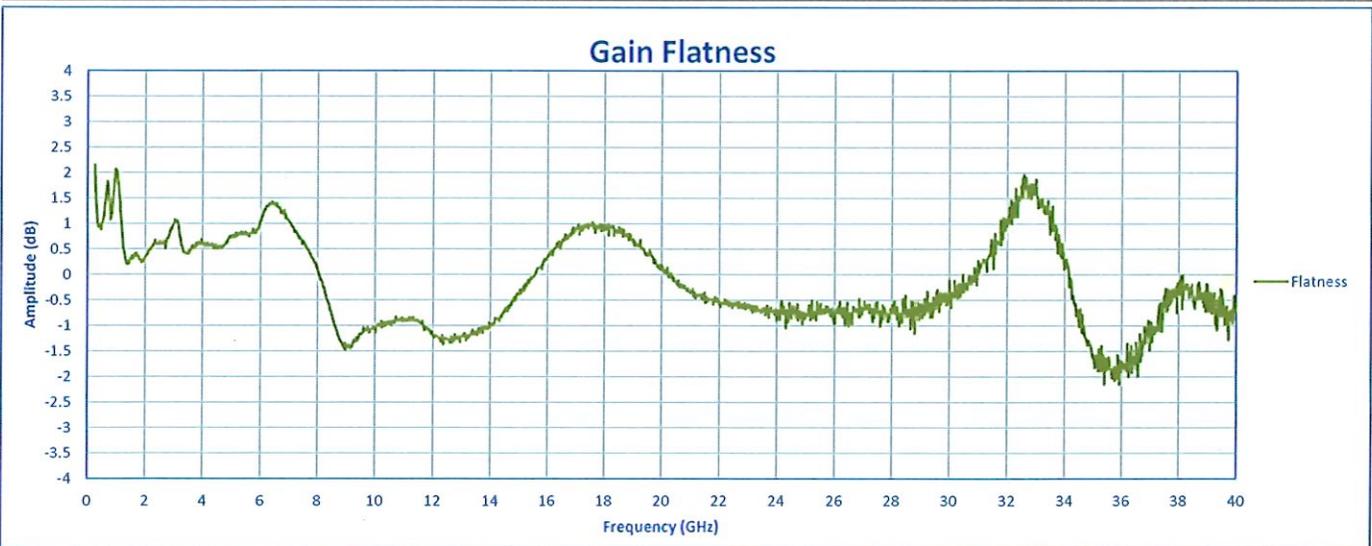
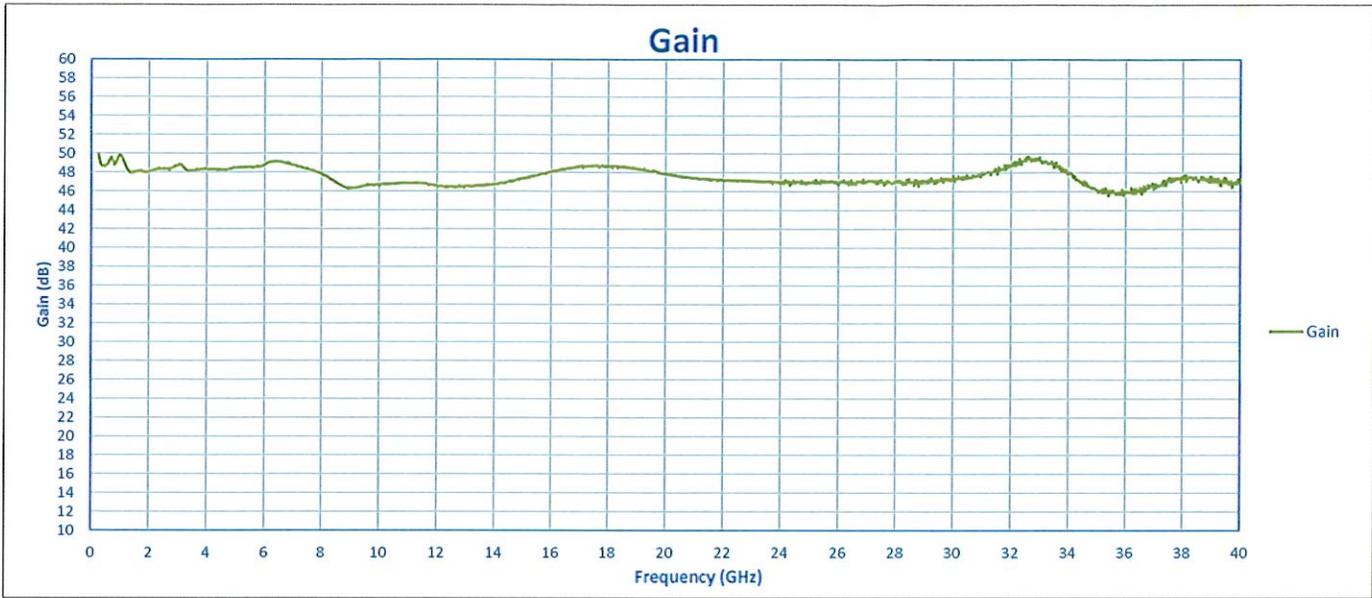
Tested By: Alfredo Lopez/Darwin M.C.
 Temperature: +25°C
 Date: 7/8/2025
 Drawing No: 27650580 REV: A1

| TEST ITEM NO | PARAMETERS | SPECIFIED VALUE | Test Results | QA QC |
|--------------|-------------------------|--|--|------------|
| 1 | Frequency Range: | 250 MHz - 40 GHz | 250 MHz - 40 GHz | PMI QA2 |
| 2 | Gain: | +47 dB Nom +45 dB Min | + 49.89 dB Max. + 45.6 dB Min. See Graph | |
| 3 | Gain Flatness: | ±2.5 dB Max (@+25°C to +85°C) ±3.0 dB Max. (@-55°C to +25°C) | ±2.15 dB See Graph | |
| 4 | Noise Figure : | 5.5 dB Typ 7.0 dB Max | 6.65 dB See Graph | |
| 5 | OP1dB: | +21 dBm Min (0.25-10 GHz) +19 dBm Min (10-18 GHz) +16 dBm Min (18-40 GHz) | + 23.09 dBm | |
| | | | + 24.54 dBm | |
| | | | + 19.66 dBm | |
| | | | See Graph | |
| 6 | P _{sat} : | +27 dBm Max | + 26.44 dBm | |
| | | | See Graph | |
| 7 | Input Power Handling: | +23 dBm Max (250 MHz-26 GHz) +20 dBm Max (26-40 GHz) | Pass See Typical Characteristics | |
| 8 | VSWR: (Input/Output) | 2.2:1 Max. (Input) 2.5:1 Max. (Output) | 1.84 :1 (In) | |
| | | | 1.93 :1 (Out) | |
| | | | See Graph | |
| 9 | DC Supply: | +12 to +15 VDC @ 550 mA Nom 650 mA Max (I _q) | +12 to +15 VDC @ 611 mA | PMI QA2 |

QA/QC Approval: PMI QA2

Date: 7/10/2025

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