



SUMMARY TEST DATA ON PS-85M4G-9B-SFF

Customer: _____
 SO: _____
 Model No: PS-85M4G-9B-SFF
 Serial No: PL59519/2618

Tested By: E. Castillo
 Date: Wednesday, April 29, 2026
 Temp: +25°C
 Drawing No: 27629014 Rev: C1

Data Taken at -10 dBm Input Power

| Test Item No. | Parameters | Specified Value | Measured Value | QA QC |
|---------------|--------------------|---|---------------------------------|--------------------------|
| 1 | Frequency Range: | 85 MHz to 4 GHz | 85 MHz to 4 GHz | PMI QA5 |
| 2 | Control: | 9 Bit TTL | 9 Bit TTL | |
| 3 | Insertion Loss: | 13 dB MAX. | 7.67 dB See Plot | |
| 4 | Phase Shift: | 360° TYP. | 359.46° | |
| 5 | Amplitude Error: | ±1° TYP. | ±0.84° MAX. See Plot | |
| 6 | Phase Shift Error: | ±10° TYP. | ±5.66° MAX. See Plot | |
| 7 | Power Supply: | +15 V @ 250 mA MAX -15 V @ 50 mA MAX | +15 V @ 189 mA -15 V @ 45 mA | |

* FOR ALL OTHER SPECIFICATIONS SEE TYPICAL CHARACTERISTICS ON THE PMI WEBSITE

| Programed Phase Shift | Average Phase Shift | Average Signed Phase Error | Flatness |
|-----------------------|---------------------|----------------------------|----------|
| DEG | DEG | DEG | DEG |
| 0.70 | 0.76 | -0.06 | 0.38 |
| 1.41 | 1.51 | -0.10 | 0.39 |
| 2.81 | 3.00 | -0.19 | 0.50 |
| 5.63 | 5.43 | 0.20 | 0.75 |
| 11.25 | 11.07 | 0.18 | 1.22 |
| 22.50 | 21.92 | 0.58 | 1.86 |
| 45.00 | 45.02 | -0.02 | 1.90 |
| 90.00 | 90.07 | -0.07 | 1.92 |
| 180.00 | 180.08 | -0.08 | 2.69 |

| Programed Phase Shift | Average Phase Shift | Average Signed Phase Error | Flatness |
|-----------------------|---------------------|----------------------------|----------|
| DEG | DEG | DEG | DEG |
| 33.75 | 33.26 | 0.49 | 2.98 |
| 67.50 | 67.95 | -0.45 | 1.87 |
| 101.25 | 101.37 | -0.12 | 2.89 |
| 135.00 | 135.75 | -0.75 | 6.30 |
| 168.75 | 169.45 | -0.70 | 5.36 |
| 202.50 | 202.18 | 0.32 | 5.93 |
| 236.25 | 236.12 | 0.13 | 5.19 |
| 270.00 | 269.79 | 0.21 | 4.53 |
| 303.75 | 303.67 | 0.08 | 3.54 |
| 337.50 | 337.84 | -0.34 | 4.52 |

QA/QC Approval: *Jordan Ryzel*

Date: 4.30.26















