

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

Customer: _____
Job No: _____
Model No: PS-85M4G-9B-SFF
Serial No: PL56215/2545

Tested By: K. Mansfield
Date: Friday, November 7, 2025
Temp: +25°C
Drawing No: 27629014 Rev: A1

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 QA2 | |
| 2 | Insertion Loss: | 13 dB Max. | 8 dB See Plot | | |
| 3 | VSWR: | 1.75:1 Typ. | 1.5:1 | | |
| 4 | Phase Shift: | 360° Typ. | 360° | | |
| 5 | Amplitude Error: | ±1.0 dB Typ. | ±0.04 dB See Plot | | |
| 6 | Phase Shift Error: | ±10° dB Typ. | +0.1° -0.3° See Plot | | |
| 7 | Switching Speed: | 500 ns Max. | <300 ns See Typical Characteristics | | |
| 8 | Power Supply: | +15 V @ 250 mA Typ. -15 V @ 20 mA Typ. | +15 V @ 180 mA -15 V @ 19 mA | | PMI QA2 |

| Programed Phase Shift | Phase Shift | Accuracy | Flatness |
|-----------------------|-------------|----------|----------|
| DEG | DEG | DEG | ±DEG |
| 0.703125 | 0.681830 | 0.02 | 0.16 |
| 1.40625 | 1.38903 | 0.02 | 0.18 |
| 2.8125 | 2.7838 | 0.03 | 0.22 |
| 5.625 | 5.638 | -0.01 | 0.38 |
| 11.25 | 11.19 | 0.06 | 0.61 |
| 22.50 | 22.55 | -0.05 | 1.36 |
| 45.00 | 45.13 | -0.13 | 5.01 |
| 90.00 | 90.23 | -0.23 | 12.46 |
| 180.00 | 180.09 | -0.09 | 9.37 |
| 354.375 | 354.46 | -0.09 | 0.70 |

| Programed Phase Shift | Phase Shift | Accuracy | Flatness |
|-----------------------|-------------|----------|----------|
| DEG | DEG | DEG | ±DEG |
| 33.75 | 33.84 | -0.09 | 2.85 |
| 67.50 | 67.73 | -0.23 | 9.74 |
| 101.25 | 101.49 | -0.24 | 12.71 |
| 135.00 | 135.22 | -0.22 | 11.32 |
| 168.75 | 168.86 | -0.11 | 9.38 |
| 202.50 | 202.64 | -0.14 | 10.04 |
| 236.25 | 236.40 | -0.15 | 13.28 |
| 270.00 | 270.26 | -0.26 | 12.95 |
| 303.75 | 303.91 | -0.16 | 7.65 |
| 337.50 | 337.64 | -0.14 | 2.70 |

QA/QC Approval:

PMI
QA2

Date: 2/9/2026



