



**SUMMARY TEST DATA
ON
PS-30M2G-8B-SFF**

Customer: _____
 Job No: _____
 Model No: PS-30M2G-8B-SFF
 Serial No: PL50721/2450

Tested By: K. Mansfield
 Date: Friday, December 13, 2024
 Temp: +25°C
 Drawing No: 27644980 Rev: B1

Data Taken at -10 dBm Input Power

| Test Item No. | Parameters | Specified Value | Measured Value | QA QC |
|---------------|--------------------|-----------------|---------------------------------|------------|
| 1 | Frequency Range: | 0.03 to 2.0 GHz | 0.03 to 2.0 GHz | PMI QA4 |
| 2 | Control: | 8 BIT TTL | Pass | |
| 3 | Insertion Loss: | 13 dB Max. | 10.03 dB See Plot | |
| 4 | VSWR: | 2.0:1 Max. | 1.64:1 | |
| 5 | Phase Shift: | 360° Typ. | 359.9° | |
| 6 | Amplitude Error: | ±1.0 dB Typ. | ±0.04 dB See Plot | |
| 7 | Phase Shift Error: | ±10° Typ. | +0.97° -1.51° See Plot | |
| 8 | Switching Speed: | 500 ns Max. | See Typical Characteristics | |
| 9 | Power Supply: | +15 V -15 V | +15 V @ 195 mA -15 V @ 29 mA | |

| Programed Phase Shift | Phase Shift | Accuracy | Flatness |
|-----------------------|-------------|----------|----------|
| DEG | DEG | DEG | ±DEG |
| 1.40625 | 1.35 | 0.06 | 0.16 |
| 2.8125 | 2.79 | 0.03 | 0.32 |
| 5.625 | 5.63 | -0.01 | 0.62 |
| 11.25 | 11.40 | -0.15 | 1.40 |
| 22.5 | 23.01 | -0.51 | 3.22 |
| 45 | 46.31 | -1.31 | 6.95 |
| 90 | 91.18 | -1.18 | 7.42 |
| 180 | 179.70 | 0.30 | 1.00 |
| 358.59375 | 358.38 | 0.21 | 0.15 |

| Programed Phase Shift | Phase Shift | Accuracy | Flatness |
|-----------------------|-------------|----------|----------|
| DEG | DEG | DEG | ±DEG |
| 33.75 | 34.68 | -0.93 | 5.18 |
| 67.5 | 68.96 | -1.46 | 8.44 |
| 101.25 | 102.21 | -0.96 | 6.32 |
| 135 | 135.38 | -0.38 | 2.56 |
| 168.75 | 168.80 | -0.05 | 1.45 |
| 202.5 | 202.86 | -0.36 | 2.46 |
| 236.25 | 237.65 | -1.40 | 7.26 |
| 270 | 269.35 | 0.65 | 8.48 |
| 303.75 | 303.25 | 0.50 | 3.99 |
| 337.5 | 337.90 | -0.40 | 0.70 |

QA/QC Approval: *Cameron Kelley*

Date: 12/20/24



