



**SUMMARY TEST DATA  
ON  
PS-500M2G-10B-SFF-MIL-SM**

Customer: \_\_\_\_\_  
 SO: \_\_\_\_\_  
 Model No: PS-500M2G-10B-SFF-MIL-SM  
 Serial No: PL56978/2550

Tested By: A. Mousavi  
 Date: 12/16/2025  
 Temp: +25°C  
 Drawing No: 27645660      Rev: A2

Data Taken at -10 dBm Input Power

| Test Item No. | Parameters         | Specified Value                           | Measured Value                  | QA QC |
|---------------|--------------------|---|---------------------------------|-------|
| 1             | Frequency Range:   | 0.5 to 2.0 GHz                            | 0.5 to 2.0 GHz                  |       |
| 2             | Control:           | 10 BIT TTL                                | 10 BIT TTL                      |       |
| 3             | Insertion Loss:    | 13 dB MAX.                                | 3.34 dB<br>See Plot             |       |
| 4             | Phase Shift:       | 360°                                      | 360°                            |       |
| 5             | Amplitude Error:   | ±1.0 dB MAX.                              | ±0.54 dB MAX.<br>See Plot       |       |
| 6             | Phase Shift Error: | ±5° dB MAX.                               | ±1.86° MAX.<br>See Plot         |       |
| 7             | Switching Speed:   | 500 ns MAX.                               | See Typical Characteristics     |       |
| 8             | Spurious:          | -60dBc MAX.                               | See Typical Characteristics     |       |
| 9             | Power Supply:      | +15 V @ 250 mA TYP.<br>-15 V @ 20 mA TYP. | +15 V @ 180 mA<br>-15 V @ 20 mA |       |

| Programed Phase Shift | Average Phase Shift | Average Signed Phase Error | Flatness |
|-----------------------|---------------------|----------------------------|----------|
| DEG                   | DEG                 | DEG                        | DEG      |
| 0.35                  | 0.26                | 0.09                       | 0.04     |
| 0.70                  | 0.50                | 0.20                       | 0.05     |
| 1.41                  | 1.14                | 0.27                       | 0.05     |
| 2.81                  | 2.65                | 0.16                       | 0.07     |
| 5.63                  | 5.41                | 0.22                       | 0.12     |
| 11.25                 | 11.14               | 0.11                       | 0.19     |
| 22.50                 | 22.08               | 0.42                       | 0.35     |
| 45.00                 | 44.49               | 0.51                       | 0.62     |
| 90.00                 | 89.68               | 0.32                       | 0.28     |
| 180.00                | 179.72              | 0.28                       | 0.43     |

| Programed Phase Shift | Average Phase Shift | Average Signed Phase Error | Flatness |
|-----------------------|---------------------|----------------------------|----------|
| DEG                   | DEG                 | DEG                        | DEG      |
| 33.75                 | 33.43               | 0.32                       | 1.04     |
| 67.50                 | 67.08               | 0.42                       | 0.92     |
| 101.25                | 101.23              | 0.02                       | 0.96     |
| 135.00                | 135.27              | -0.27                      | 1.37     |
| 168.75                | 168.57              | 0.18                       | 0.81     |
| 202.50                | 202.02              | 0.48                       | 1.24     |
| 236.25                | 235.59              | 0.66                       | 1.74     |
| 270.00                | 269.66              | 0.34                       | 0.58     |
| 303.75                | 303.95              | -0.20                      | 1.45     |
| 337.50                | 337.50              | 0.00                       | 0.82     |

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

Date: \_\_\_\_\_















