

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

Customer: _____
Job No: _____
Model No: PS-85M4G-9B-SFF
Serial No: PL56216/2545

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.	8.1 dB See Plot		
3	VSWR:	1.75:1 Typ.	1.52:1		
4	Phase Shift:	360° Typ.	360°		
5	Amplitude Error:	±1.0 dB Typ.	±0.03 dB See Plot		
6	Phase Shift Error:	±10° dB Typ.	+0° -0.1° 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 @ 177 mA -15 V @ 19 mA		PMI QA2

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.703125	0.726798	-0.02	0.14
1.40625	1.42383	-0.02	0.14
2.8125	2.8600	-0.05	0.25
5.625	5.637	-0.01	0.38
11.25	11.28	-0.03	0.66
22.50	22.54	-0.04	0.98
45.00	44.98	0.02	2.45
90.00	90.04	-0.04	8.06
180.00	179.99	0.01	9.33
354.375	354.42	-0.04	0.49

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.77	-0.02	1.63
67.50	67.56	-0.06	5.33
101.25	101.30	-0.05	8.94
135.00	135.02	-0.02	10.03
168.75	168.77	-0.02	9.38
202.50	202.51	-0.01	9.17
236.25	236.33	-0.08	9.23
270.00	270.04	-0.04	8.64
303.75	303.80	-0.05	5.43
337.50	337.50	0.00	1.93

QA/QC Approval: 

PMI
QA2

Date: 2/9/2026



