

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

Customer: _____
Job No: _____
Model No: PS-85M4G-9B-SFF
Serial No: PL56220/2545

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.	±0.06 dB See Plot	
6	Phase Shift Error:	±10° dB Typ.	+0° -0.4° 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 @ 176 mA -15 V @ 19 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.703125	0.702785	0.00	0.18
1.40625	1.44400	-0.04	0.27
2.8125	2.8362	-0.02	0.36
5.625	5.643	-0.02	0.61
11.25	11.22	0.03	1.08
22.50	22.48	0.02	1.84
45.00	45.08	-0.08	1.87
90.00	90.10	-0.10	6.86
180.00	180.20	-0.20	8.16
354.375	354.38	0.00	0.68

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.82	-0.07	2.14
67.50	67.56	-0.06	3.42
101.25	101.38	-0.13	8.08
135.00	135.20	-0.20	9.28
168.75	168.97	-0.22	8.18
202.50	202.83	-0.33	8.12
236.25	236.47	-0.22	8.01
270.00	270.09	-0.09	9.04
303.75	303.89	-0.14	6.56
337.50	337.58	-0.08	2.57

QA/QC Approval: 

PMI
QA2

Date: 2/9/2026



