

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

Customer: _____
Job No: _____
Model No: PS-85M4G-9B-SFF
Serial No: PL56219/2545

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.	1.47:1	
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 @ 179 mA -15 V @ 19 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.703125	0.900923	-0.20	0.12
1.40625	1.56869	-0.16	0.23
2.8125	2.8536	-0.04	0.40
5.625	5.616	0.01	0.74
11.25	11.30	-0.05	1.39
22.50	22.47	0.03	2.45
45.00	45.07	-0.07	2.87
90.00	90.23	-0.23	8.00
180.00	180.21	-0.21	8.23
354.375	354.36	0.01	0.97

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.79	-0.04	3.02
67.50	67.67	-0.17	3.87
101.25	101.48	-0.23	9.42
135.00	135.32	-0.32	10.50
168.75	168.97	-0.22	8.40
202.50	202.85	-0.35	7.92
236.25	236.56	-0.31	7.56
270.00	270.11	-0.11	9.74
303.75	303.87	-0.12	7.42
337.50	337.54	-0.04	3.24

QA/QC Approval: 

PMI
QA2

Date: 2/9/2026



