

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

Customer: _____
Job No: _____
Model No: PS-85M4G-9B-SFF
Serial No: PL56218/2545

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	PMI QA2
3	VSWR:	1.75:1 Typ.	1.53:1	
4	Phase Shift:	360° Typ.	360°	
5	Amplitude Error:	±1.0 dB Typ.	±0.05 dB See Plot	
6	Phase Shift Error:	±10° dB Typ.	+0.3° -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	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.703125	0.755616	-0.05	0.13
1.40625	1.44723	-0.04	0.16
2.8125	2.8469	-0.03	0.30
5.625	5.617	0.01	0.53
11.25	11.21	0.04	0.94
22.50	22.51	-0.01	1.42
45.00	45.00	0.00	2.63
90.00	90.04	-0.04	9.07
180.00	179.77	0.23	8.89
354.375	354.33	0.04	0.60

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.72	0.03	1.77
67.50	67.55	-0.05	5.81
101.25	101.24	0.01	10.11
135.00	134.90	0.10	11.02
168.75	168.56	0.19	9.14
202.50	202.31	0.19	8.38
236.25	236.20	0.05	8.63
270.00	270.03	-0.03	9.02
303.75	303.72	0.03	6.35
337.50	337.48	0.02	2.49

QA/QC Approval: 

PMI QA2

Date: 2/9/2026



