

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

Customer: _____
Job No: _____
Model No: PS-85M4G-9B-SFF
Serial No: PL56217/2545

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.	1.55:1		
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° -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 @ 177 mA -15 V @ 19 mA		PMI QA2

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.703125	0.703821	0.00	0.14
1.40625	1.40010	0.01	0.15
2.8125	2.7941	0.02	0.21
5.625	5.624	0.00	0.33
11.25	11.24	0.01	0.55
22.50	22.56	-0.06	1.19
45.00	45.14	-0.14	2.99
90.00	90.26	-0.26	8.71
180.00	180.35	-0.35	9.88
354.375	354.36	0.01	0.48

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.84	-0.09	2.00
67.50	67.67	-0.17	6.02
101.25	101.49	-0.24	9.90
135.00	135.31	-0.31	11.76
168.75	169.09	-0.34	10.64
202.50	202.88	-0.38	8.52
236.25	236.38	-0.13	7.73
270.00	270.08	-0.08	5.32
303.75	303.87	-0.12	3.28
337.50	337.55	-0.05	1.41

QA/QC Approval: 

PMI
QA2

Date: 2/9/2026



