

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

Customer: _____
Job No: _____
Model No: PS-85M4G-9B-SFF
Serial No: PL55978/2543

Tested By: K. Mansfield
Date: Thursday, February 12, 2026
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	PMI QA2
3	VSWR:	1.75:1 Typ.	1.52:1	
4	Phase Shift:	360° Typ.	360°	
5	Amplitude Error:	±1.0 dB Typ.	±0.08 dB See Plot	
6	Phase Shift Error:	±10° dB Typ.	+0° -0.7° 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 @ 184 mA -15 V @ 18 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.703125	0.725883	-0.02	0.16
1.40625	1.44526	-0.04	0.18
2.8125	2.8458	-0.03	0.30
5.625	5.673	-0.05	0.57
11.25	11.30	-0.05	0.99
22.50	22.59	-0.09	1.51
45.00	45.23	-0.23	2.43
90.00	90.28	-0.28	9.07
180.00	180.54	-0.54	8.38
354.375	354.39	-0.02	0.71

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.90	-0.15	1.62
67.50	67.74	-0.24	5.61
101.25	101.63	-0.38	10.22
135.00	135.45	-0.45	10.94
168.75	169.21	-0.46	8.77
202.50	203.16	-0.66	7.94
236.25	236.64	-0.39	8.77
270.00	270.10	-0.10	9.64
303.75	303.90	-0.15	6.87
337.50	337.55	-0.05	2.75

QA/QC Approval: 

PMI
QA2

Date: 2/18/2026



