

**SUMMARY TEST DATA
ON
PS-30M2G-8B-SFF**

Customer: _____
Job No: _____
Model No: PS-30M2G-8B-SFF
Serial No: PL50719/2450

Tested By: K. Mansfield
Date: Friday, December 13, 2024
Temp: +25°C
Drawing No: 27644980 Rev: B1

Data Taken at -10 dBm Input Power

Test Item No.	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range:	0.03 to 2.0 GHz	0.03 to 2.0 GHz	PMI QA4
2	Control:	8 BIT TTL	Pass	
3	Insertion Loss:	13 dB Max.	10.02 dB See Plot	
4	VSWR:	2.0:1 Max.	1.66:1	
5	Phase Shift:	360° Typ.	359.9°	
6	Amplitude Error:	±1.0 dB Typ.	±0.04 dB See Plot	
7	Phase Shift Error:	±10° Typ.	+1.05° -2.04° See Plot	
8	Switching Speed:	500 ns Max.	See Typical Characteristics	
9	Power Supply:	+15 V -15 V	+15 V @ 188 mA -15 V @ 26 mA	PMI QA4

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.40625	1.35	0.06	0.11
2.8125	2.75	0.06	0.16
5.625	5.51	0.11	0.32
11.25	11.04	0.21	0.60
22.5	22.25	0.25	1.11
45	45.48	-0.48	3.45
90	92.01	-2.01	7.86
180	179.75	0.25	1.25
358.59375	358.50	0.09	0.15

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.78	-0.03	1.91
67.5	69.12	-1.62	6.66
101.25	103.15	-1.90	7.39
135	136.15	-1.15	3.99
168.75	168.54	0.21	1.11
202.5	201.46	1.04	1.98
236.25	237.16	-0.91	4.53
270	272.03	-2.03	7.71
303.75	305.35	-1.60	5.55
337.5	338.22	-0.72	1.89

QA/QC Approval: *Cameron Kelley*

Date: 12/20/24



