

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

Customer: _____
Job No: _____
Model No: PS-30M2G-8B-SFF
Serial No: PL50717/2450

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.	9.96 dB See Plot	
4	VSWR:	2.0:1 Max.	1.71:1	
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.	+0.57° -2.59° See Plot	
8	Switching Speed:	500 ns Max.	See Typical Characteristics	
9	Power Supply:	+15 V -15 V	+15 V @ 192 mA -15 V @ 26 mA	PMI QA4

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.40625	1.36	0.04	0.11
2.8125	2.76	0.05	0.17
5.625	5.51	0.11	0.33
11.25	11.14	0.11	0.73
22.5	22.78	-0.28	1.74
45	46.29	-1.29	4.91
90	92.31	-2.31	7.54
180	179.60	0.40	1.20
358.59375	358.54	0.05	0.10

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	34.47	-0.72	3.25
67.5	69.76	-2.26	7.46
101.25	103.32	-2.07	6.77
135	136.06	-1.06	3.37
168.75	168.32	0.43	1.30
202.5	202.24	0.26	1.65
236.25	238.18	-1.93	6.37
270	272.53	-2.53	7.62
303.75	305.45	-1.70	4.60
337.5	338.11	-0.61	1.19

QA/QC Approval: *Camron Kelm*

Date: 12/20/24



