

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

Customer: _____
Job No: _____
Model No: PS-30M2G-8B-SFF
Serial No: PL50723/2450

Tested By: K. Mansfield
Date: Wednesday, December 18, 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:	14 dB Max.	9.98 dB See Plot	
4	VSWR:	2.0:1 Max.	1.7:1	
5	Phase Shift:	360° Typ.	360.1°	
6	Amplitude Error:	±1.5 dB Max. ±1.0 dB Typ.	±0.08 dB See Plot	
7	Phase Shift Error:	±10° Typ.	+0.5° -1.02° See Plot	
8	Switching Speed:	500 ns Max.	See Typical Characteristics	
9	Power Supply:	+15 V @ 275 mA Max. -15 V @ 75 mA Max.	+15 V @ 190 mA -15 V @ 29 mA	PMI QA4

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.40625	1.55	-0.14	0.25
2.8125	3.00	-0.19	0.33
5.625	5.73	-0.11	0.42
11.25	11.36	-0.11	0.79
22.5	22.52	-0.02	1.82
45	45.49	-0.49	5.34
90	90.79	-0.79	7.63
180	179.59	0.41	1.05
358.59375	358.70	-0.10	0.24

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.94	-0.19	3.48
67.5	68.45	-0.95	8.03
101.25	101.91	-0.66	6.59
135	135.29	-0.29	2.98
168.75	168.26	0.49	1.00
202.5	202.14	0.36	1.41
236.25	236.94	-0.69	6.80
270	270.97	-0.97	7.66
303.75	304.50	-0.75	4.29
337.5	337.92	-0.42	1.10

QA/QC Approval: *Cameron Kelem*

Date: 12/20/24



