

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

Customer: _____
Job No: _____
Model No: PS-30M2G-8B-SFF
Serial No: PL52956/2519

Tested By: E. Kretz
Date: Thursday, May 8, 2025
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.	9.02 dB See Plot	
4	VSWR:	2.0:1 MAX	1.61:1	
5	Phase Shift:	360° Typ.	360°	
6	Amplitude Error:	±1.5 dB Max, ±1.0 dB Typ	±0.93 dB See Plot	
7	Phase Shift Error:	±10° Typ.	+0.08° -12.37° See Plot	
8	Switching Speed:	500 ns Max.	See Typical Characteristics	
9	Power Supply:	+15 V -15 V	+15 V @ 193 mA -15 V @ 28 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.40625	1.62	-0.21	0.17
2.8125	3.25	-0.44	0.23
5.625	6.48	-0.86	0.46
11.25	13.15	-1.90	1.09
22.5	26.81	-4.31	2.84
45	54.08	-9.08	6.67
90	101.94	-11.94	6.74
180	189.98	-9.98	0.99
358.59375	358.71	-0.12	0.11

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	40.62	-6.87	4.88
67.5	79.12	-11.62	8.03
101.25	112.85	-11.60	5.55
135	145.78	-10.78	1.58
168.75	179.69	-10.94	0.78
202.5	213.36	-10.86	3.80
236.25	248.62	-12.37	7.95
270	280.10	-10.10	6.87
303.75	308.86	-5.11	3.62
337.5	338.08	-0.58	1.00

QA/QC Approval: *Cameron Kelly*

Date: 5/9/25



