

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

Customer: _____
Job No: _____
Model No: PS-30M2G-8B-SFF
Serial No: PL52957/2519

Tested By: E. Kretz
Date: Wednesday, May 7, 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.	8.96 dB See Plot	
4	VSWR:	2.0:1 MAX	1.71:1	
5	Phase Shift:	360° Typ.	360°	
6	Amplitude Error:	±1.5 dB Max, ±1.0 dB Typ	±0.98 dB See Plot	
7	Phase Shift Error:	±10° Typ.	+9.45° -3.98° See Plot	
8	Switching Speed:	500 ns Max.	See Typical Characteristics	
9	Power Supply:	+15 V -15 V	+15 V @ 200 mA -15 V @ 30 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.40625	-0.51	1.91	0.07
2.8125	0.78	2.03	0.10
5.625	3.34	2.28	0.36
11.25	8.54	2.71	1.01
22.5	19.05	3.45	2.60
45	39.54	5.46	5.67
90	80.74	9.26	6.43
180	181.41	-1.41	0.60
358.59375	357.00	1.59	0.26

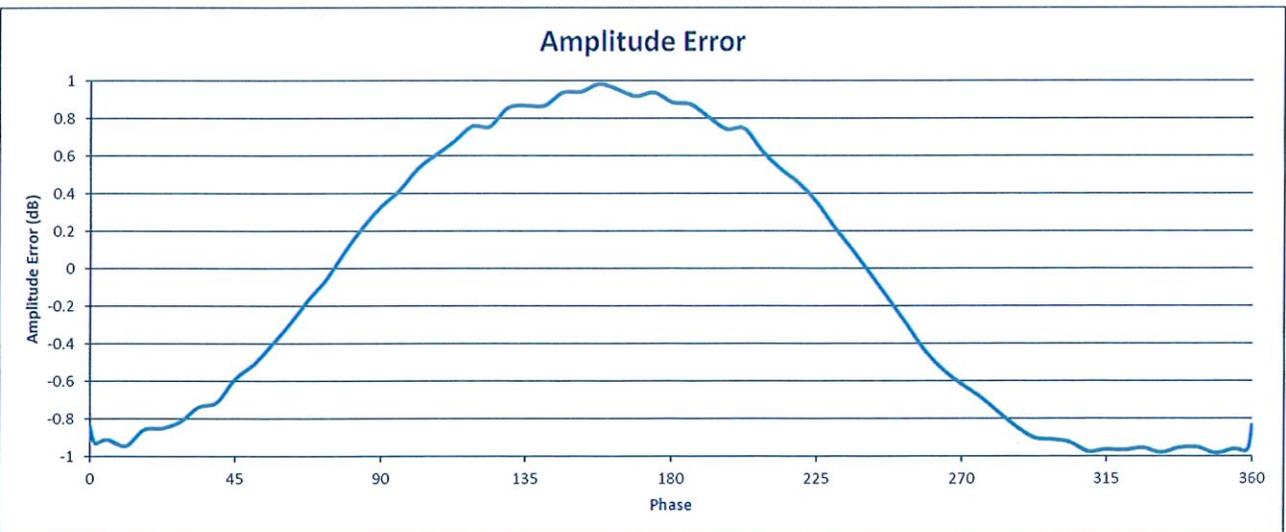
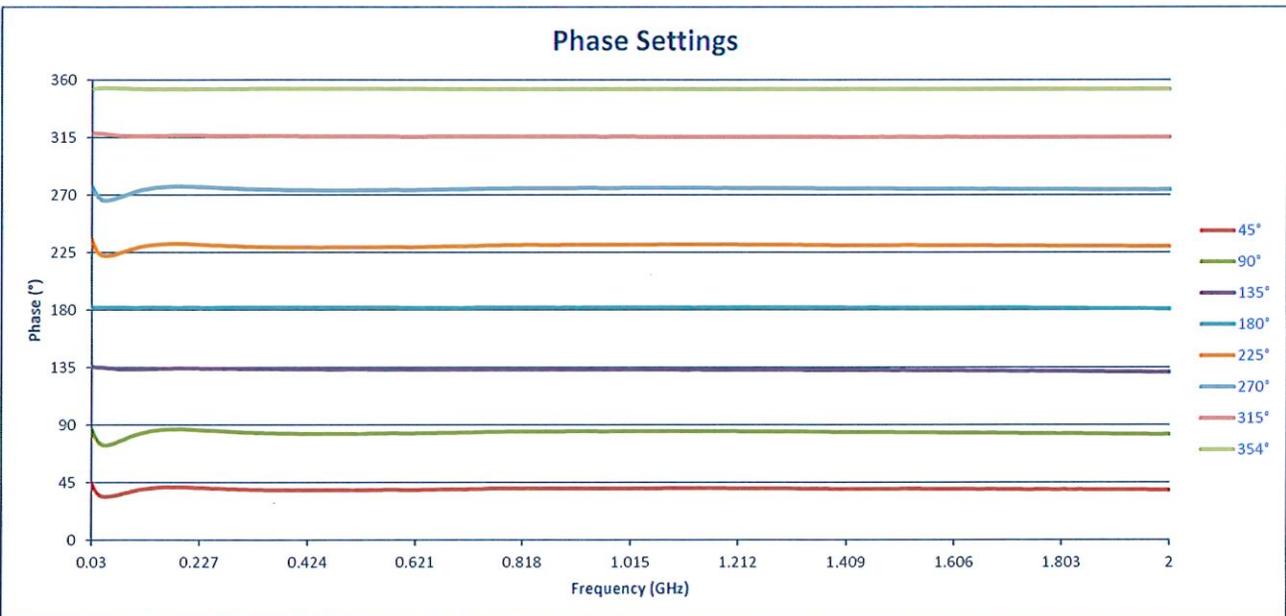
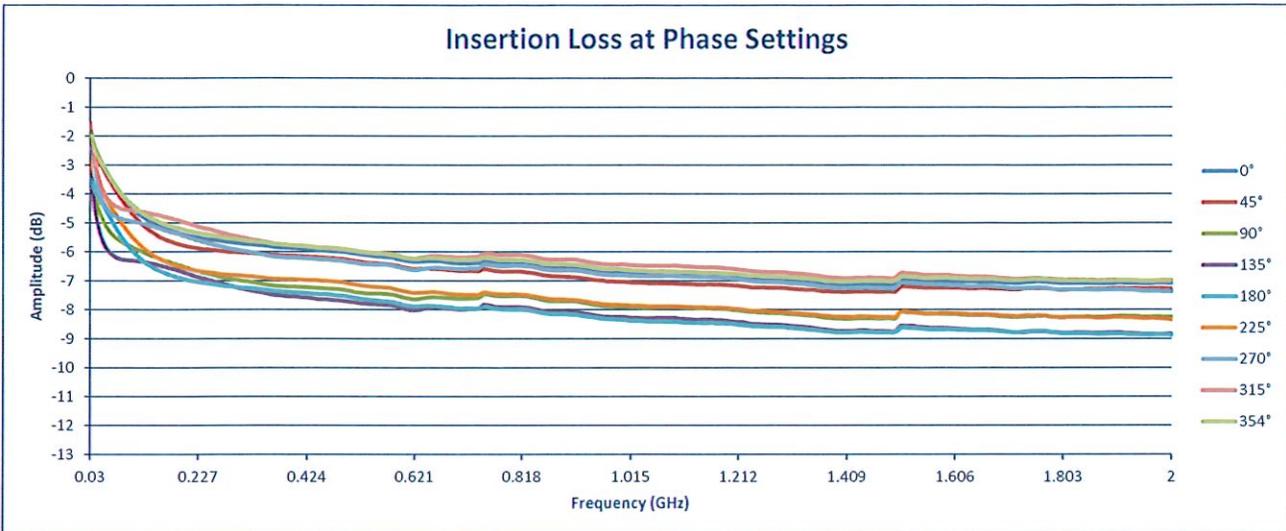
Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	29.41	4.34	4.27
67.5	59.17	8.33	7.05
101.25	93.56	7.69	5.37
135	133.60	1.40	2.24
168.75	169.89	-1.14	1.34
202.5	205.50	-3.00	3.55
236.25	239.89	-3.64	7.06
270	271.39	-1.39	5.45
303.75	306.61	-2.86	1.95
337.5	337.98	-0.48	1.34

QA/QC Approval:

Commercy Kelly

Date:

5/9/25



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