

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

Customer: _____
 Job No: _____
 Model No: PS-30M2G-8B-SFF
 Serial No: PL50724/2450

Tested By: K. Mansfield
 Date: Wednesday, December 18, 2024
 Temp: +25°C
 Drawing No: 27644980 Rev: B1

Data Taken at -10 dBm Input Power

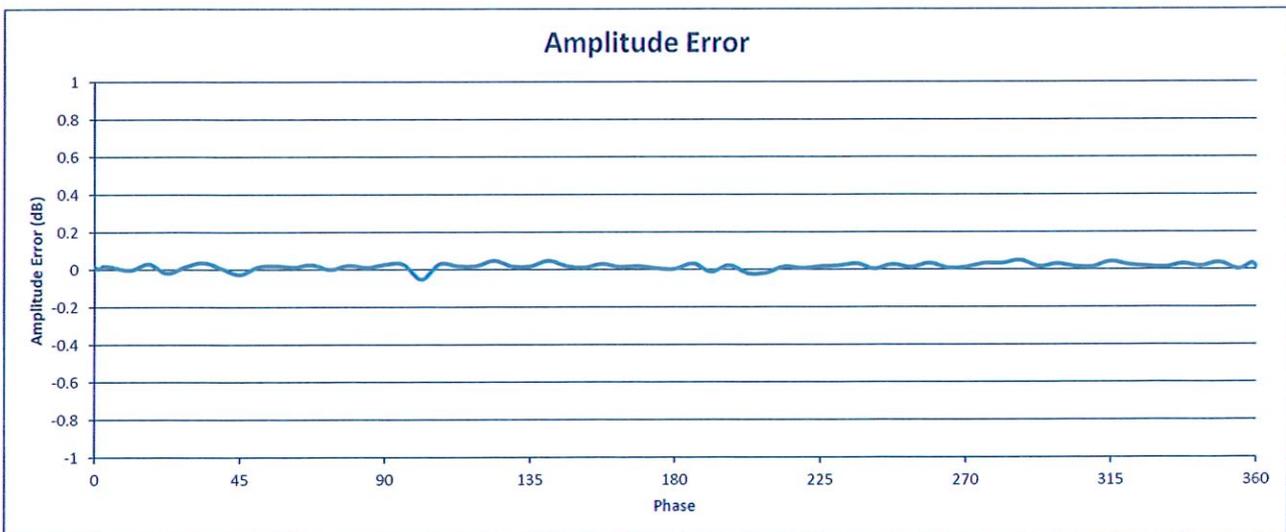
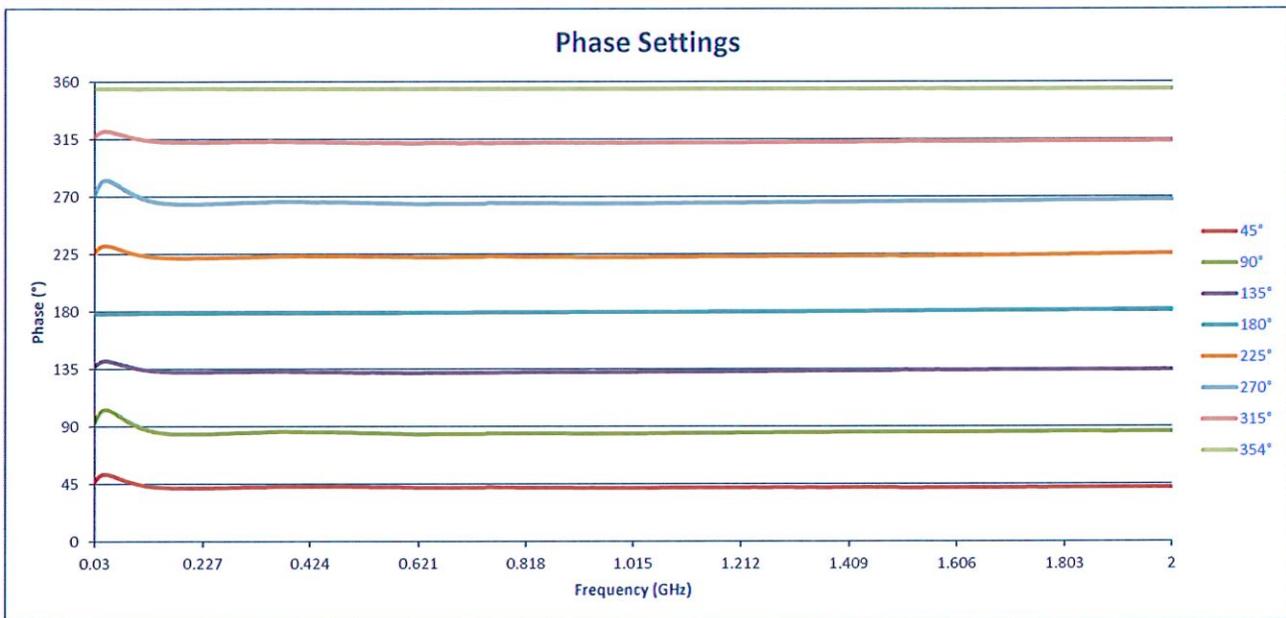
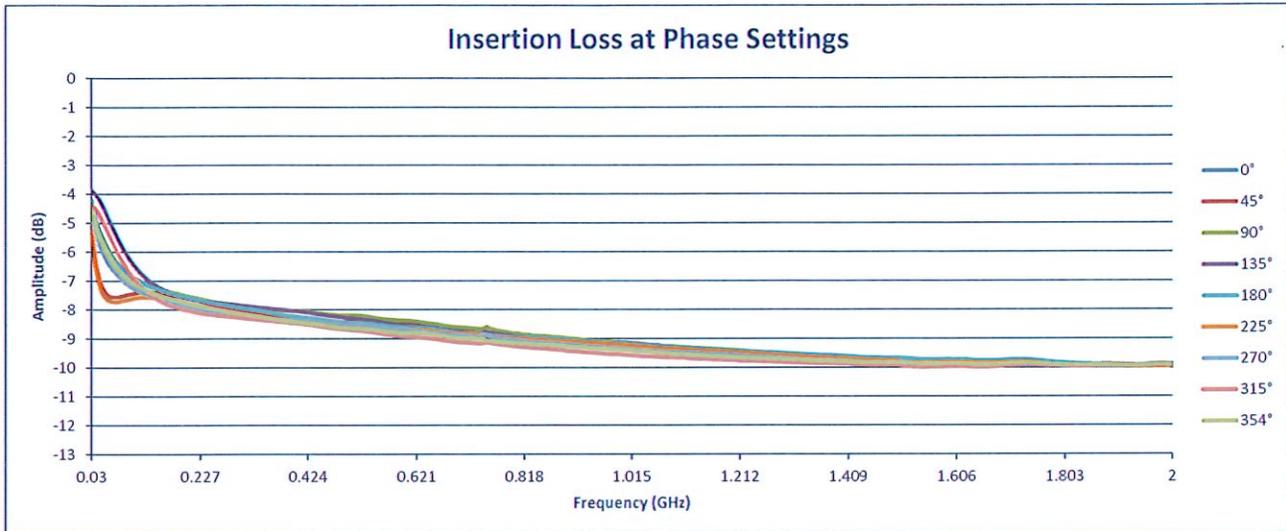
Test Item No.	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range:	0.03 to 2.0 GHz	0.03 to 2.0 GHz	
2	Control:	8 BIT TTL	Pass	
3	Insertion Loss:	14 dB Max.	10 dB See Plot	
4	VSWR:	2.0:1 Max.	1.7:1	
5	Phase Shift:	360° Typ.	360°	
6	Amplitude Error:	±1.5 dB Max. ±1.0 dB Typ.	±0.05 dB See Plot	
7	Phase Shift Error:	±10° Typ.	+0.29° -3.8° 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 @ 188 mA -15 V @ 29 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.40625	1.41	-0.01	0.09
2.8125	2.82	-0.01	0.10
5.625	5.62	0.01	0.16
11.25	11.31	-0.06	0.49
22.5	23.07	-0.57	1.70
45	47.24	-2.24	5.53
90	93.58	-3.58	9.76
180	179.86	0.14	1.70
358.59375	358.59	0.00	0.08

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	35.03	-1.28	3.42
67.5	71.16	-3.66	8.94
101.25	104.45	-3.20	9.13
135	136.60	-1.60	4.81
168.75	168.70	0.05	1.34
202.5	202.42	0.08	1.75
236.25	238.96	-2.71	6.90
270	273.57	-3.57	9.47
303.75	305.95	-2.20	6.45
337.5	338.34	-0.84	1.65

QA/QC Approval: *Cameron Kelly*

Date: 12/20/24



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