



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

Customer: _____

Tested By: K. Mansfield

Job No: _____

Date: Friday, July 10, 2026

Model No: PS-30M2G-8B-SFF

Temp: +25°C

Serial No: PL61105/2628

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 QA6
2	Control:	8 BIT TTL	Pass	
3	Insertion Loss:	14 dB Max.	10.46 dB See Plot	
4	VSWR:	2.0:1 Max.	1.83:1	
5	Phase Shift:	360° Typ.	360°	
6	Amplitude Error:	±1.5 dB Max. ±1.0 dB Typ.	±0.49 dB See Plot	
7	Phase Shift Error:	±10° Typ.	+0.06° -6.21° See Plot	
8	Switching Speed:	500 ns Max.	See Typical Characteristics	
9	Power Supply:	+12 V to +15 V @ 275 mA Max. -5 V to -15 V @ 75 mA Max.	+12 V @ 194 mA -5 V @ 26 mA	PMI QA6

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.40625	1.46	-0.06	0.08
2.8125	2.87	-0.06	0.09
5.625	5.73	-0.11	0.13
11.25	11.48	-0.23	0.27
22.5	23.02	-0.52	0.60
45	46.36	-1.36	1.37
90	93.25	-3.25	2.40
180	186.09	-6.09	1.33
358.59375	358.81	-0.22	0.10

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	34.69	-0.94	0.94
67.5	69.72	-2.22	2.17
101.25	105.02	-3.77	2.21
135	140.40	-5.40	1.03
168.75	174.94	-6.19	1.27
202.5	207.69	-5.19	1.35
236.25	239.90	-3.65	1.91
270	272.87	-2.87	2.34
303.75	305.57	-1.82	1.61
337.5	338.06	-0.56	0.50

QA/QC Approval: _____

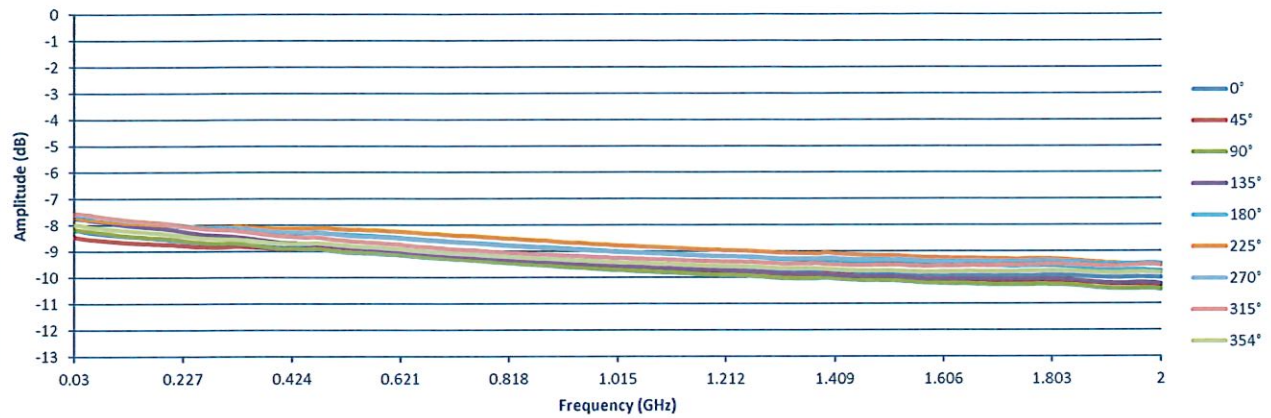
Anthony Keady

PMI
QA6

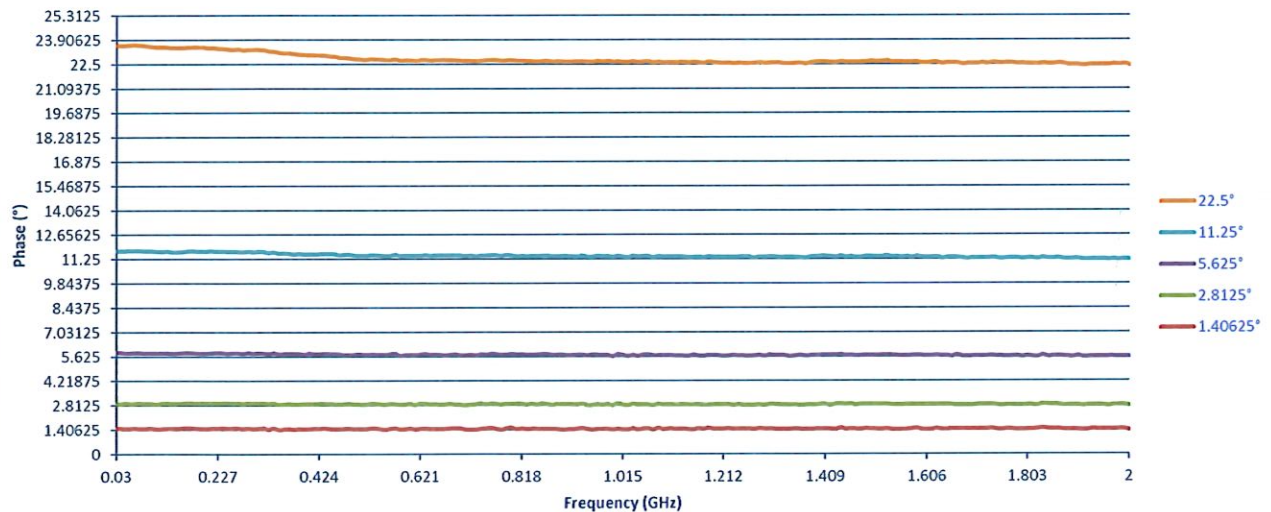
Date: _____

7/14/26

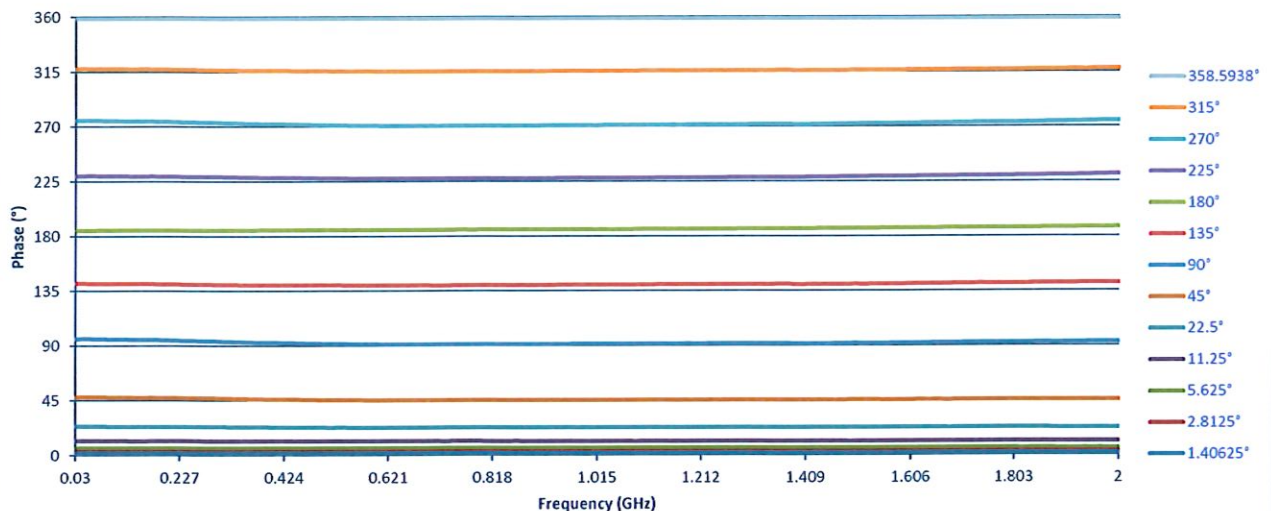
Insertion Loss at Phase Settings



Phase Settings (Small Bits)



Phase Settings



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ON
PS-30M2G-8B-SFF

