Quantic PMI
PLANAR MONOLITHICS

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

Customer:
Job No:
Model No: PS-30M2G-8B-SFF
Serial No: PL43028/2348

Tested By: E. Kretz
Date: Thursday, November 30, 2023
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 QA2
2	Control:	8 BIT TTL	Pass	
3	Insertion Loss:	14 dB Max.	10.21 dB See Plot	
4	VSWR:	2.0:1 MAX	1.88:1	
5	Phase Shift:	360° Typ.	359.9°	
6	Amplitude Error:	±1.5 dB MAX.	±0.13 dB See Plot	
7	Phase Shift Error:	±10° Typ.	+0.92° -0.58° See Plot	
8	Switching Speed:	500 ns Max.	See Typical Characteristics	
9	Power Supply:	+15 V @ 275 mA -15 V @ 75 mA	+15 V @ 185 mA -15 V @ 29 mA	PMI QA2

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.40625	1.31	0.10	0.07
2.8125	2.71	0.11	0.11
5.625	5.53	0.10	0.17
11.25	11.09	0.16	0.32
22.5	22.20	0.30	0.68
45	44.38	0.62	1.85
90	89.09	0.91	3.29
180	180.40	-0.40	1.18
358.59375	358.42	0.18	0.08

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.29	0.46	1.22
67.5	66.70	0.80	2.90
101.25	100.41	0.84	3.00
135	134.90	0.10	1.66
168.75	169.00	-0.25	1.37
202.5	203.05	-0.55	1.07
236.25	236.57	-0.32	2.50
270	270.01	-0.01	3.24
303.75	303.56	0.19	2.13
337.5	337.21	0.29	0.75

QA/QC Approval: PMI QA2

Date: 11/30/2023

7309-A Grove Road Frederick, MD 21740 USA Phone: (301)662-5019 Fax: (301)662-1731
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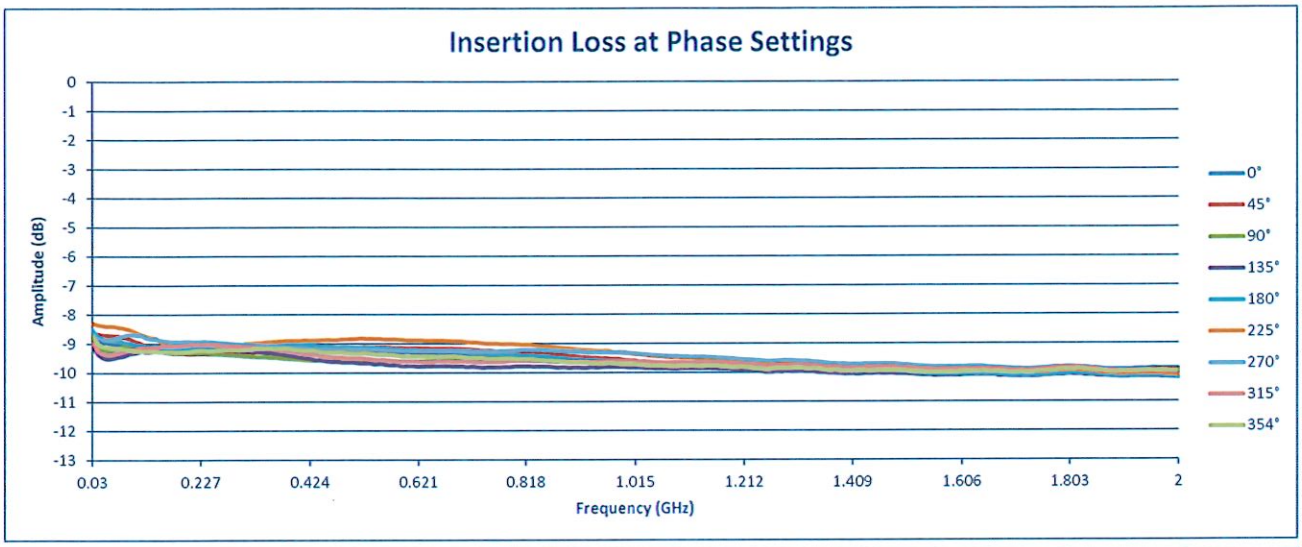

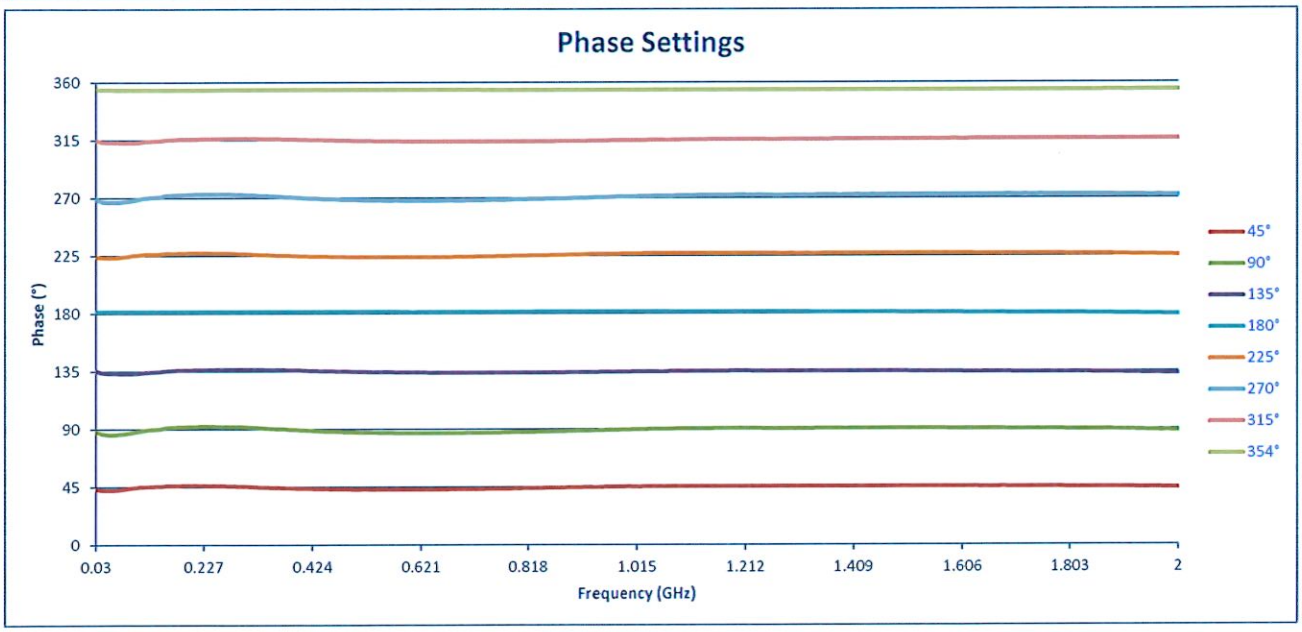

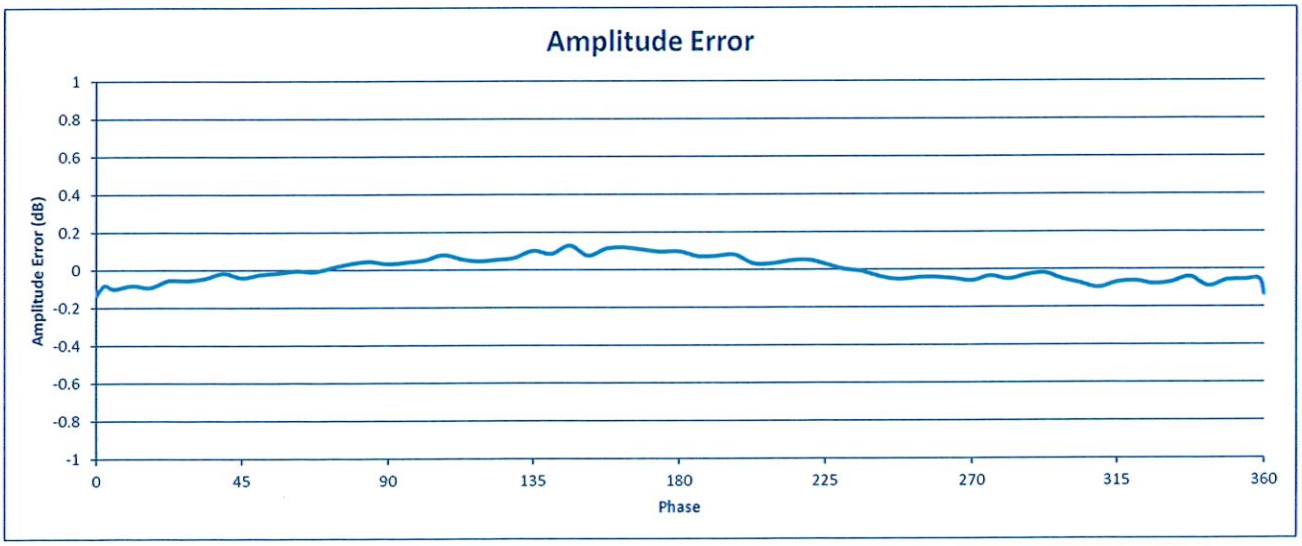

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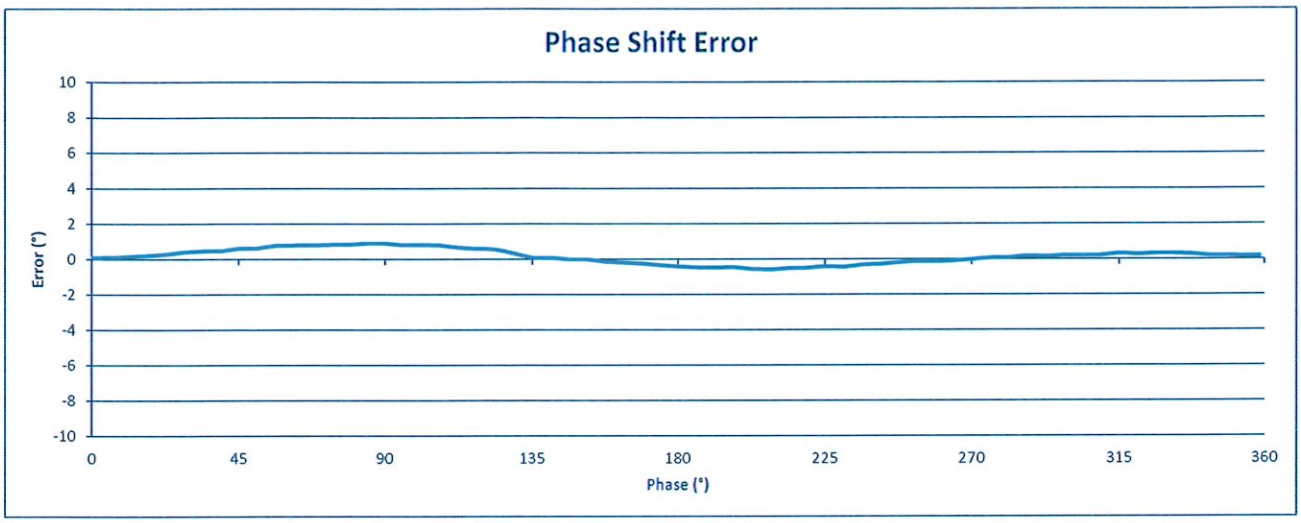

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