SUMMARY TEST DATA
ON
PS-360-DC-IR-9G11G

Customer:
Job No:
Model No: PS-360-DC-IR-9G11G
Serial No: PL29897/2032

Tested By: E. Marick
Date: Thursday, August 20, 2020
Temp: +25°C
Drawing No: 27623166 **Rev:** A1

Test Item No.	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range:	9.0 to 11 GHz	9.0 to 11 GHz	PMI QA 2
2	Insertion Loss:	8 dB Typ.	8.5 dB See Plot	
3	VSWR:	1.75:1 Max.	1.48:1	
4	Phase Accuracy:	±1° Typ.	±0.44° See Plot	
5	Phase Flatness vs Frequency:	±5° Typ.	±4.22° See Plot	
6	Insertion Loss Tracking:	±0.5 dB Goal ±0.75 dB Typ. (Unit to Unit at 0° Phase Shift per Lot)	±0.75 dB Typ. See Typical Characteristics	
7	Insertion Loss vs Phase:	±0.75 dB Goal ±1.25 dB Typ.	±1.22 dB See Plot	
8	Switching Speed:	300 ns Typ.	Pass See Typical Characteristics	
9	Operating Power:	+20 dBm Typ.	Pass See Typical Characteristics	
10	Survival Power:	+30 dBm Max.	Pass See Typical Characteristics	
11	Control:	10 Bit TTL	Pass	
12	Power Supply:	+12 V to +15 V @ 40 mA Typ.	31 mA	PMI QA 2

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.41	1.36	0.04	0.12
2.81	2.78	0.03	0.15
5.63	5.65	-0.02	0.21
11.25	11.28	-0.03	0.38
22.50	22.50	0.00	0.65
45.00	44.99	0.01	1.18
90.00	89.94	0.06	1.90
180.00	180.06	-0.06	3.07
358.59	358.51	0.08	3.59

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.61	0.14	0.94
67.50	67.30	0.20	1.59
101.25	101.07	0.18	1.99
135.00	134.81	0.19	2.46
168.75	168.54	0.21	2.90
202.50	202.33	0.17	3.39
236.25	235.99	0.26	3.90
270.00	269.70	0.30	4.16
303.75	303.48	0.27	4.11
337.50	337.06	0.44	3.74

QA/QC Approval: PMI QA 2 Date: 8-20-2020

7311-F Grove Road Frederick, MD 21740 USA Phone: (301)662-5019 Fax: (301)662-1731
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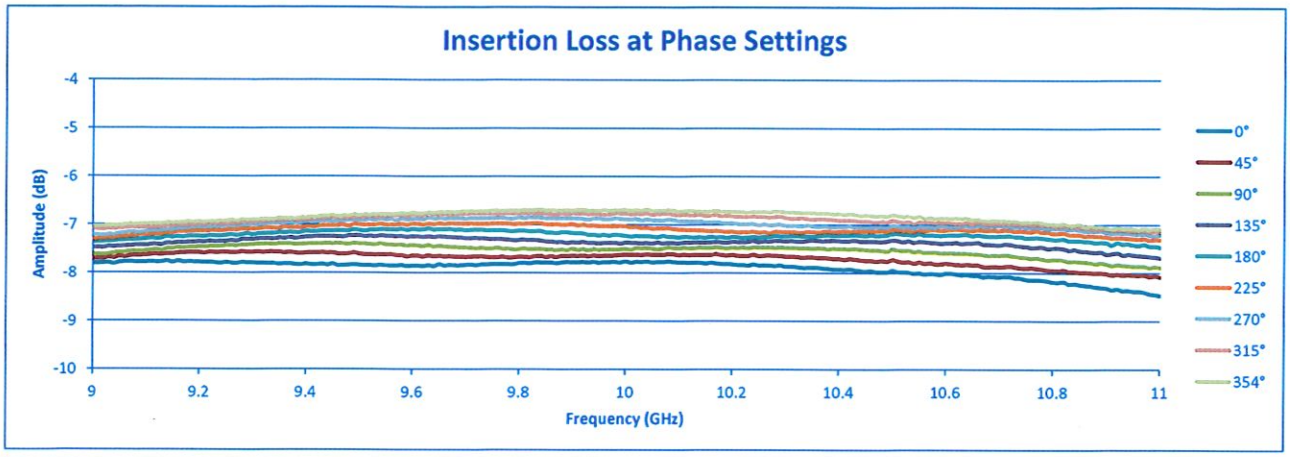

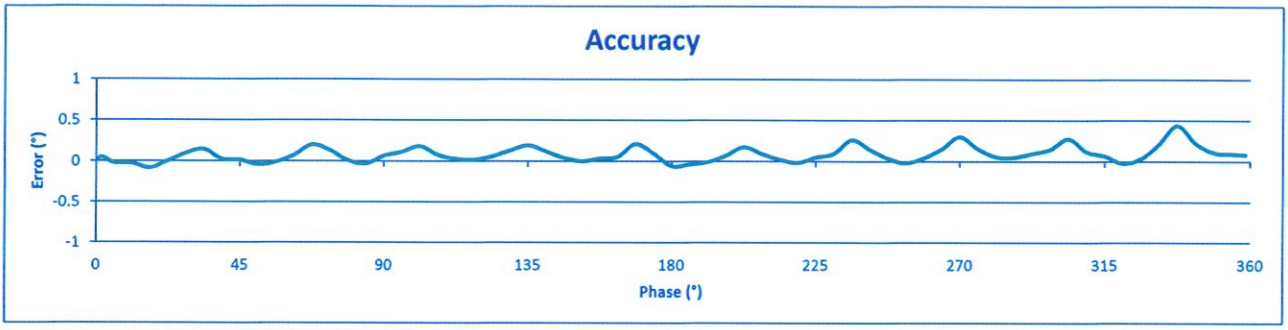

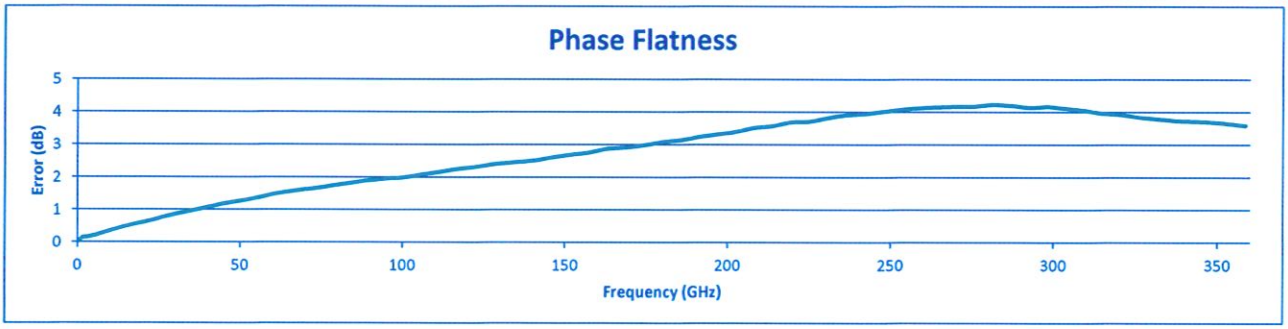

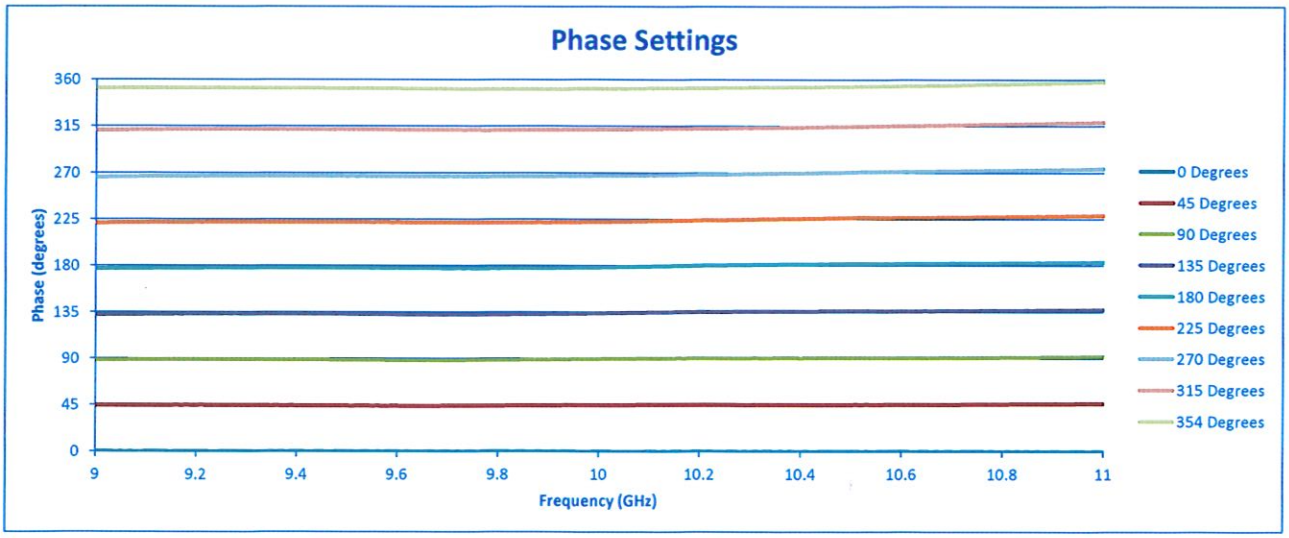

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