



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

Customer:

Job No:

Model No: PS-360-DC-IR-9G11G

Serial No: PL29896/2032

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.	8.9 dB See Plot		
3	VSWR:	1.75:1 Max.	1.5:1		
4	Phase Accuracy:	±1° Typ.	±0.39° See Plot		
5	Phase Flatness vs Frequency:	±5° Typ.	±5.79° 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.	±1.27 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		PMI
12	Power Supply:	+12 V to +15 V @ 40 mA Typ.	36 mA		QA 2

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.41	1.37	0.04	0.18
2.81	2.86	-0.05	0.14
5.63	5.70	-0.08	0.23
11.25	11.39	-0.14	0.36
22.50	22.72	-0.22	0.62
45.00	45.25	-0.25	1.10
90.00	90.36	-0.36	1.82
180.00	180.39	-0.39	2.59
358.59	358.88	-0.29	4.99

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.77	-0.02	0.86
67.50	67.61	-0.11	1.49
101.25	101.40	-0.15	1.96
135.00	135.15	-0.15	2.27
168.75	168.85	-0.10	2.41
202.50	202.63	-0.13	3.19
236.25	236.33	-0.08	4.37
270.00	270.13	-0.13	5.41
303.75	303.87	-0.12	5.79
337.50	337.63	-0.13	5.42

QA/QC Approval:

 PMI
QA 2

Date: 8.20.2020



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