

**SUMMARY TEST DATA
ON
PS-360-16G22G-10B-SFF**

Customer: _____
SO: _____
Model No: PS-360-16G22G-10B-SFF
Serial No: PL44201/2405

Tested By: E. Kretz
Date: Tuesday, February 6, 2024
Temp: +25°C
Drawing No: 27646820 Rev: A1

Data Taken at -20 dBm Input Power

Test Item No.	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range:	16.0 to 22.0 GHz	16.0 to 22.0 GHz	<i>PMI QA4</i>
2	Insertion Loss:	11.5 dB Typ.	10.53 dB See Plot	
3	VSWR:	2.0:1 Max.	1.92 dB See Plot	
4	Phase Accuracy:	±3° Typ.	4.6°	
5	Switching Speed:	500 ns MAX.	See Typical Characteristics	
6	Operating Power:	+10 dBm CW Max.	See Typical Characteristics	
7	Survival Power:	+25 dBm CW Max.	See Typical Characteristics	
8	Control:	10 Bit TTL	Pass	
9	Power Supply:	+12V to +15 V @ 50 mA Max.	+15 V @ 40 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.48	-0.13	0.24
0.703125	0.80	-0.09	0.25
1.40625	1.48	-0.07	0.32
2.8125	2.75	0.06	0.39
5.625	5.54	0.08	0.60
11.25	10.96	0.29	0.86
22.5	22.19	0.31	1.45
45	45.01	-0.01	3.10
90	90.48	-0.48	6.62
180	184.62	-4.62	15.14

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.64	0.11	2.26
67.5	67.66	-0.16	4.85
101.25	101.90	-0.65	6.62
135	136.83	-1.83	10.38
168.75	171.42	-2.67	13.89
202.5	206.59	-4.09	17.43
236.25	239.49	-3.24	20.50
270	271.87	-1.87	23.70
303.75	303.73	0.02	27.01
337.5	336.64	0.86	30.46
359.648	360.12	-0.47	0.227

QA/QC Approval: *Cameron Helms*

Date: 2/6/24



