

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

Customer: _____
SO: _____
Model No: PS-360-16G22G-10B-SFF
Serial No: PL44197/2405

Tested By: E. Kretz
Date: Wednesday, January 31, 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	PMI QA4
2	Insertion Loss:	11.5 dB Typ.	10.37 dB See Plot	
3	VSWR:	2.0:1 Max.	1.92 :1 See Plot	
4	Phase Accuracy:	±3° Typ.	0.27°	
			-5.04°	
			See Plot	
5	Switching Speed:	500 ns MAX.	440 ns	
6	Operating Power:	+10 dBm CW Max.	+10 dBm CW	
7	Survival Power:	+25 dBm CW Max.	+25 dBm CW	
8	Control:	10 Bit TTL	10 Bit TTL	
9	Power Supply:	+12V to +15 V @ 50 mA Max.	+15 V @ 41 mA	PMI QA4

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.38	-0.03	0.25
0.703125	0.62	0.09	0.34
1.40625	1.36	0.04	0.31
2.8125	2.77	0.05	0.34
5.625	5.46	0.16	0.45
11.25	10.98	0.27	0.71
22.5	22.36	0.14	1.30
45	45.48	-0.48	2.77
90	91.04	-1.04	5.96
180	185.04	-5.04	14.87

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.84	-0.09	1.97
67.5	68.30	-0.80	4.32
101.25	102.55	-1.30	5.96
135	137.23	-2.23	9.65
168.75	171.89	-3.14	13.42
202.5	206.87	-4.37	17.43
236.25	239.58	-3.33	20.99
270	272.08	-2.08	24.16
303.75	304.46	-0.71	27.35
337.5	337.53	-0.03	30.81
359.648	360.09	-0.44	0.306

QA/QC Approval: *Cameron Kelly* PMI QA4

Date: 02/02/24



