



## SUMMARY TEST DATA ON PS-2G6G-8B-SFF

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: PS-2G6G-8B-SFF  
 Serial No: PL29987/2034

Tested By: M. Hanken  
 Temperature: +25°C  
 Date: 8/18/2020  
 Drawing No: 27622643 Rev: A1

Data Taken at -10 dBm Input Power

Test Item No.	Parameters	Specified Value	Test Results	QA QC	
1	Frequency Range:	2 GHz - 6 GHz	2 GHz - 6 GHz	PMI QA 2	
2	Insertion Loss:	10.5 dB Typ.	7.8 dB See Plot		
3	Control:	8 Bit TTL	Pass		
4	VSWR:	Additional Parameter Added Not Specified by Avalon	2.37:1		
5	Phase Shift:	360° Typ.	360° See Plot		
6	Amplitude Error:	±1 dB Typ.	±0.7 dB See Plot		
7	Phase Accuracy:	±0.5° Typ.	±0.21° See Plot		
8	Switching Speed:	500 ns Max.	<250 ns See Typical Characteristics		
9	Power Supply:	+15 V -15 V	+15 VDC 177 mA -15 VDC 28 mA		PMI QA 2

Programed Phase Shift	Phase Shift	Accuracy of Phase Shift	Flatness
DEG	DEG	DEG	±DEG
5.63	5.88	0.25	0.30
11.25	11.55	0.30	0.44
22.50	23.01	0.51	0.57
45.00	45.35	0.35	1.17
90.00	89.91	-0.09	2.32
135.00	135.70	0.70	2.76
180.00	180.21	0.21	4.32
225.00	225.21	0.21	3.70
270.00	269.60	-0.40	2.89
315.00	315.13	0.13	2.28

Programed Phase Shift	Phase Shift	Accuracy of Phase Shift	Flatness
DEG	DEG	DEG	±DEG
33.75	34.34	0.59	0.86
67.50	67.79	0.29	1.80
101.25	101.42	0.17	2.55
135.00	135.70	0.70	2.76
168.75	168.81	0.06	3.85
202.50	202.80	0.30	4.47
236.25	236.37	0.12	3.21
270.00	269.60	-0.40	2.89
303.75	304.05	0.30	2.68
337.50	337.58	0.08	1.20

QA/QC Approval:  PMI QA 2

Date: 8/18/20



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