



## SUMMARY TEST DATA ON PS-500M2G-10B-SFF-MIL-SM

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: PS-500M2G-10B-SFF-MIL-SM  
 Serial No: PL40745/2321

Tested By: K. Mansfield  
 Date: Friday, May 26, 2023  
 Temp: +25°C  
 Drawing No: 27645660      Rev: A1

Data Taken at -10 dBm Input Power

Test Item No.	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range:	0.5 to 2 GHz	0.5 to 2 GHz	
2	Control:	10 BIT TTL	Pass	
3	Insertion Loss:	13 dB Max.	8.2 dB See Plot	
4	Phase Shift:	360° Typ.	360°	
5	Amplitude Error:	±1.0 dB Max.	±0.37 dB See Plot	
6	Phase Shift Error:	±5° dB Max.	+2.4° -1.5° See Plot	
7	Switching Speed:	500 ns Max.	See Typical Characteristics	
8	Spurious:	-60 dBc Max.	See Typical Characteristics	
9	Power Supply:	+15 V @ 250 mA Typ. -15 V @ 20 mA Typ.	+15 V @ 182 mA -15 V @ 32 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.33	0.02	0.10
0.703125	0.72	-0.02	0.10
1.40625	1.48	-0.08	0.11
2.8125	4.32	-1.50	0.16
5.625	5.67	-0.04	0.20
11.25	11.29	-0.04	0.28
22.50	23.38	-0.88	0.32
45.00	44.67	0.33	0.53
90.00	87.90	2.10	2.10
180.00	179.78	0.22	0.49

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	34.11	-0.36	0.40
67.50	66.86	0.64	1.35
101.25	98.96	2.29	2.28
135.00	134.43	0.57	1.72
168.75	166.70	2.05	0.37
202.50	201.28	1.22	0.86
236.25	235.87	0.38	1.01
270.00	269.53	0.47	2.11
303.75	303.35	0.40	2.23
337.50	338.89	-1.39	0.81

QA/QC Approval: \_\_\_\_\_

Date: \_\_\_\_\_

