



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

Customer: _____
 Job No: _____
 Model No: PS-500M2G-10B-SFF-MIL-SM
 Serial No: PL40747/2321

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.	7.9 dB See Plot	
4	Phase Shift:	360° Typ.	360°	
5	Amplitude Error:	±1.0 dB Max.	±0.08 dB See Plot	
6	Phase Shift Error:	±5° dB Max.	+0.2° -0.4° 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 @ 177 mA -15 V @ 32 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.65	-0.30	0.12
0.703125	1.09	-0.39	0.16
1.40625	1.82	-0.41	0.12
2.8125	3.24	-0.43	0.15
5.625	6.05	-0.43	0.19
11.25	11.65	-0.40	0.24
22.50	22.84	-0.34	0.33
45.00	45.10	-0.10	0.59
90.00	90.11	-0.11	1.02
180.00	179.96	0.04	0.96

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.98	-0.23	0.46
67.50	67.47	0.03	0.85
101.25	101.35	-0.10	1.11
135.00	134.87	0.13	1.09
168.75	168.66	0.09	0.92
202.50	202.62	-0.12	0.98
236.25	236.40	-0.15	1.29
270.00	270.32	-0.32	1.54
303.75	303.92	-0.17	1.11
337.50	337.39	0.11	0.40

QA/QC Approval: _____

Date: _____

