



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

Customer: _____
 Job No: _____
 Model No: PS-500M2G-10B-SFF-MIL-SM
 Serial No: PL40754/2321

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.	±0.13 dB See Plot	
6	Phase Shift Error:	±5° dB Max.	+0.6° -0.5° 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 @ 174 mA -15 V @ 32 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.55	-0.19	0.07
0.703125	1.09	-0.39	0.08
1.40625	1.91	-0.50	0.07
2.8125	3.27	-0.46	0.09
5.625	6.13	-0.50	0.14
11.25	11.78	-0.53	0.18
22.50	23.02	-0.52	0.35
45.00	45.18	-0.18	0.89
90.00	89.98	0.02	1.36
180.00	179.43	0.57	1.03

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	34.11	-0.36	0.63
67.50	67.45	0.05	1.27
101.25	101.32	-0.07	1.23
135.00	134.95	0.05	0.92
168.75	168.19	0.56	0.96
202.50	202.18	0.32	1.08
236.25	236.09	0.16	1.44
270.00	270.02	-0.02	1.84
303.75	303.72	0.03	1.31
337.50	337.14	0.36	0.46

QA/QC Approval: _____

Date: _____

