



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

Customer: _____
 Job No: _____
 Model No: PS-500M2G-10B-SFF-MIL-SM
 Serial No: PL40751/2321

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.	±0.2 dB See Plot	
6	Phase Shift Error:	±5° dB Max.	+1.3° -0.7° 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 @ 178 mA -15 V @ 32 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.42	-0.07	0.10
0.703125	0.88	-0.18	0.13
1.40625	1.73	-0.32	0.11
2.8125	3.51	-0.69	0.12
5.625	6.32	-0.70	0.16
11.25	11.93	-0.68	0.33
22.50	23.00	-0.50	0.62
45.00	44.83	0.17	1.56
90.00	88.85	1.15	3.02
180.00	178.92	1.08	0.78

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	34.00	-0.25	1.04
67.50	66.63	0.87	2.49
101.25	100.06	1.19	3.02
135.00	133.75	1.25	1.95
168.75	167.64	1.11	0.74
202.50	201.77	0.73	0.96
236.25	235.56	0.69	1.72
270.00	269.62	0.38	2.61
303.75	303.71	0.04	2.08
337.50	337.48	0.02	0.58

QA/QC Approval: _____

Date: _____

