



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

Customer: _____
 Job No: _____
 Model No: PS-500M2G-10B-SFF-MIL-SM
 Serial No: PL40748/2321

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.	359.9°	
5	Amplitude Error:	±1.0 dB Max.	±0.14 dB See Plot	
6	Phase Shift Error:	±5° dB Max.	+0.8° -0.6° 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 @ 179 mA -15 V @ 32 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.63	-0.28	0.11
0.703125	1.04	-0.34	0.09
1.40625	1.75	-0.34	0.09
2.8125	3.14	-0.32	0.10
5.625	5.88	-0.26	0.14
11.25	11.46	-0.21	0.29
22.50	22.67	-0.17	0.65
45.00	45.05	-0.05	0.98
90.00	89.88	0.12	1.10
180.00	179.46	0.54	1.18

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.83	-0.08	0.92
67.50	67.41	0.09	0.71
101.25	101.00	0.25	1.15
135.00	134.27	0.73	0.80
168.75	168.04	0.71	1.12
202.50	202.38	0.12	1.24
236.25	236.69	-0.44	1.44
270.00	270.51	-0.51	1.28
303.75	303.88	-0.13	0.64
337.50	337.29	0.21	0.28

QA/QC Approval: _____

Date: _____

