

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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: PS-500M2G-10B-SFF-MIL-SM  
 Serial No: PL40749/2321

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.	7.8 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.	+1° -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 @ 181 mA -15 V @ 32 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.62	-0.27	0.10
0.703125	1.19	-0.48	0.10
1.40625	1.86	-0.46	0.10
2.8125	3.28	-0.47	0.14
5.625	6.15	-0.52	0.16
11.25	11.79	-0.54	0.21
22.50	23.04	-0.54	0.27
45.00	45.05	-0.05	0.28
90.00	89.76	0.24	1.14
180.00	180.02	-0.02	0.71

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	34.12	-0.37	0.23
67.50	67.24	0.26	0.78
101.25	101.08	0.17	1.19
135.00	134.44	0.56	0.85
168.75	167.80	0.95	0.66
202.50	201.87	0.63	0.96
236.25	235.77	0.48	1.16
270.00	269.82	0.18	1.58
303.75	303.61	0.14	1.18
337.50	337.26	0.24	0.55

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

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

