



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: PS-500M2G-10B-SFF-MIL-SM  
 Serial No: PL40752/2321

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.	±0.1 dB See Plot	
6	Phase Shift Error:	±5° dB Max.	+0.7° -0.2° 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	0.35	0.00	0.11
0.703125	0.75	-0.05	0.12
1.40625	1.58	-0.17	0.11
2.8125	3.04	-0.23	0.12
5.625	5.79	-0.17	0.17
11.25	11.38	-0.13	0.21
22.50	22.54	-0.04	0.25
45.00	44.74	0.26	0.38
90.00	89.46	0.54	0.95
180.00	179.40	0.60	0.79

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.63	0.12	0.25
67.50	67.03	0.47	0.78
101.25	100.71	0.54	1.02
135.00	134.35	0.65	0.83
168.75	168.02	0.73	0.70
202.50	201.95	0.55	1.07
236.25	235.82	0.43	1.26
270.00	269.65	0.35	1.56
303.75	303.45	0.30	1.10
337.50	337.26	0.24	0.49

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

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

