



**SUMMARY TEST DATA
ON
P1T-500M18G-80-R-SFF-SW21841A**

Customer: _____
 SO No: _____
 Model No: P1T-500M18G-80-R-SFF-SW21841A
 Serial No: PL33691/2134

Tested By: K. Mansfield
 Temperature: +25°C
 Date: 8/31/2021
 Drawing No: 27629121 Rev: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
1	Frequency Range:	0.5 to 18.0 GHz	0.5 to 18.0 GHz	PMI QA2	
2	Isolation:	45 dB Min. (0.5 to 1.0 GHz) 70 dB Min. (1.0 to 2.0 GHz) 85 dB Min. (2.0 to 12.4 GHz) 80 dB Min. (12.4 to 18.0 GHz)	95 dB (0.5 to 1.0 GHz) 102 dB (1.0 to 2.0 GHz) 87 dB (2.0 to 12.4 GHz) 80 dB (12.4 to 18.0 GHz) See Plot		
3	Insertion Loss:	1.0 dB Max. (0.5 to 2.0 GHz) 1.2 dB Max. (2.0 to 4.0 GHz) 1.5 dB Max. (4.0 to 8.0 GHz) 2.0 dB Max. (8.0 to 12.4 GHz) 2.5 dB Max. (12.4 to 18.0 GHz)	0.7 dB (0.5 to 2.0 GHz) 1 dB (2.0 to 4.0 GHz) 1.5 dB (4.0 to 8.0 GHz) 1.8 dB (8.0 to 12.4 GHz) 2.4 dB (12.4 to 18.0 GHz) See Plot		
4	VSWR : IN/OUT "On Position"	1.4:1 Max. (0.5 to 4.0 GHz) 1.6:1 Max. (4.0 to 8.0 GHz) 1.9:1 Max. (8.0 to 18.0 GHz)	1.36:1 (0.5 to 4.0 GHz) 1.6:1 (4.0 to 8.0 GHz) 1.7:1 (8.0 to 18.0 GHz) See Plot		
5	Input Power:	2W Average 10W Peak @ 1 μsec PW	Pass See Typical Characteristics		
6	Rise / Fall Time: (10% to 90% RF & 90% to 10% RF)	2 ns Max.	2 ns See Typical Characteristics		
7	Delay: On / Off (50% to 10% / 90% RF)	20 ns Max.	20 ns See Typical Characteristics		
8	DC Supply:	+15 VDC @ 100 mA Typ. -15 VDC @ 45 mA Typ.	+15 VDC @ 45 mA -15 VDC @ 31 mA		
9	Control Signal:	TTL COMPATIBLE 0 "ISOLATION" 1 "INSERTION LOSS"	Pass		PMI QA2

QA/QC Approval: _____

PMI
QA2

Date: 8/31/2021



SUMMARY TEST DATA
ON
P1T-500M18G-80-R-SFF-SW21841A

PL33691/2134

