



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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: P1T-500M18G-80-R-SFF-SW21841A  
 Serial No: PL29940/2032

Tested By: L. McGraw  
 Temperature: +25°C  
 Date: 8/5/2020  
 Drawing No: 27634516 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	<i>SB</i>	
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)	97 dB (0.5 to 1.0 GHz) 94 dB (1.0 to 2.0 GHz) 90 dB (2.0 to 12.4 GHz) 83 dB (12.4 to 18.0 GHz) See Plot		
3	Insertion Loss:	2.0 dB Max. (0.5 to 2.0 GHz) 2.2 dB Max. (2.0 to 4.0 GHz) 2.5 dB Max. (4.0 to 8.0 GHz) 3.0 dB Max. (8.0 to 12.4 GHz) 3.5 dB Max. (12.4 to 18.0 GHz)	0.6 dB (0.5 to 2.0 GHz) 0.8 dB (2.0 to 4.0 GHz) 1 dB (4.0 to 8.0 GHz) 1.5 dB (8.0 to 12.4 GHz) 2.1 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)	1.34:1 (0.5 to 4.0 GHz) 1.23:1 (4.0 to 8.0 GHz) 1.89:1 (8.0 to 18.0 GHz) See Plot		
5	Input Power:	2W Average 10W Peak @ 1 μsec PW	Pass		
6	Video Leakage:	20 mV Max. @ 350 MHz BW (Input & Output)	20mV Max. @ 350 MHz BW (Input & Output)		
7	Rise / Fall Time: (10% to 90% RF & 90% to 10% RF)	2 ns Max.	2'ns See Typical Characteristics		
8	Delay: On / Off (50% to 10% / 90% RF)	20 ns Max.	<20ns See Typical Characteristics		
9	DC Supply:	+15 VDC @ 100 mA Typ. -15 VDC @ 45 mA Typ.	+15VDC @ 38mA '-15VDC @ 45mA		
10	Control Signal:	TTL COMPATIBLE 0 "ISOLATION" 1 "INSERTION LOSS"	Pass		<i>SB</i>

QA/QC Approval: *[Signature]*

Date: 8.5.2020



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