



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

Customer:
SO No:
Model No: P1T-500M18G-80-R-SFF-SW21841A
Serial No: PL29939/2032

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>[Signature]</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)	94 dB (0.5 to 1.0 GHz) 96 dB (1.0 to 2.0 GHz) 93 dB (2.0 to 12.4 GHz) 82 dB (12.4 to 18.0 GHz) See Plot	<i>[Red Vertical Line]</i>	
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) 0.9 dB (2.0 to 4.0 GHz) 1.2 dB (4.0 to 8.0 GHz) 1.7 dB (8.0 to 12.4 GHz) 1.9 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)	1.33:1 (0.5 to 4.0 GHz) 1.37:1 (4.0 to 8.0 GHz) 1.54:1 (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>[Signature]</i>

QA/QC Approval: *[Signatures]* Date: 8.5.2020



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

PL29939/2032

