



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

Customer: _____
 SO No: _____
 Model No: P1T-500M18G-80-R-SFF-SW21841A
 Serial No: PL29582/2028

Tested By: L. McGraw
 Temperature: +25°C
 Date: 7/8/2020
 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	
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)	92 dB (0.5 to 1.0 GHz) 97 dB (1.0 to 2.0 GHz) 90 dB (2.0 to 12.4 GHz) 81 dB (12.4 to 18.0 GHz) See Plot	<i>sl</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) 0.8 dB (2.0 to 4.0 GHz) 1.3 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	<i>l</i>
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)	1.29:1 (0.5 to 4.0 GHz) 1.55:1 (4.0 to 8.0 GHz) 1.8:1 (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>sl</i>

QA/QC Approval: *Shawn Woodall* *Shawn Wood* *Paul Kay*

Date: 8.5.2020



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