



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

PL20657/1710

Customer: _____	Tested By: <u>Jerry N.</u>	
SO No: _____	Temperature: <u>+25°C</u>	
Model No: <u>P1T-500M18G-80-R-SFF-SW21841A</u>	Date: <u>1/30/19</u>	
Serial No: <u>PL20657/1710</u>	Drawing No: <u>27629121</u>	Rev: <u>A1</u>

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)	1.0 GHz -97.29 dB 2.0 GHz -105.41 dB 12.4 GHz -88.16 dB 18.0 GHz -87.57 dB (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)	2.0 GHz -0.57 dB 4.0 GHz -0.90 dB 8.0 GHz -0.97 dB 12.4 GHz -1.28 dB 18.0 GHz -2.06 dB (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)	Input VSWR 4.0 GHz 1.24:1 8.0 GHz 1.25:1 18.0 GHz 1.57:1 Output VSWR 4.0 GHz 1.30:1 8.0 GHz 1.26:1 18.0 GHz 1.60:1 (See Plot)	
5	Input Power	2W Average 10W Peak @ 1 µsec PW	Pass	
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	19.6 ns See Typical Characteristics	
8	DC Supply	+15VDC @ 100 mA Typ -15VDC @ 45 mA Typ	40 mA 29 mA	
9	Control Signal	TTL COMPATIBLE 0 "ISOLATION" 1 "INSERTION LOSS"	Pass	

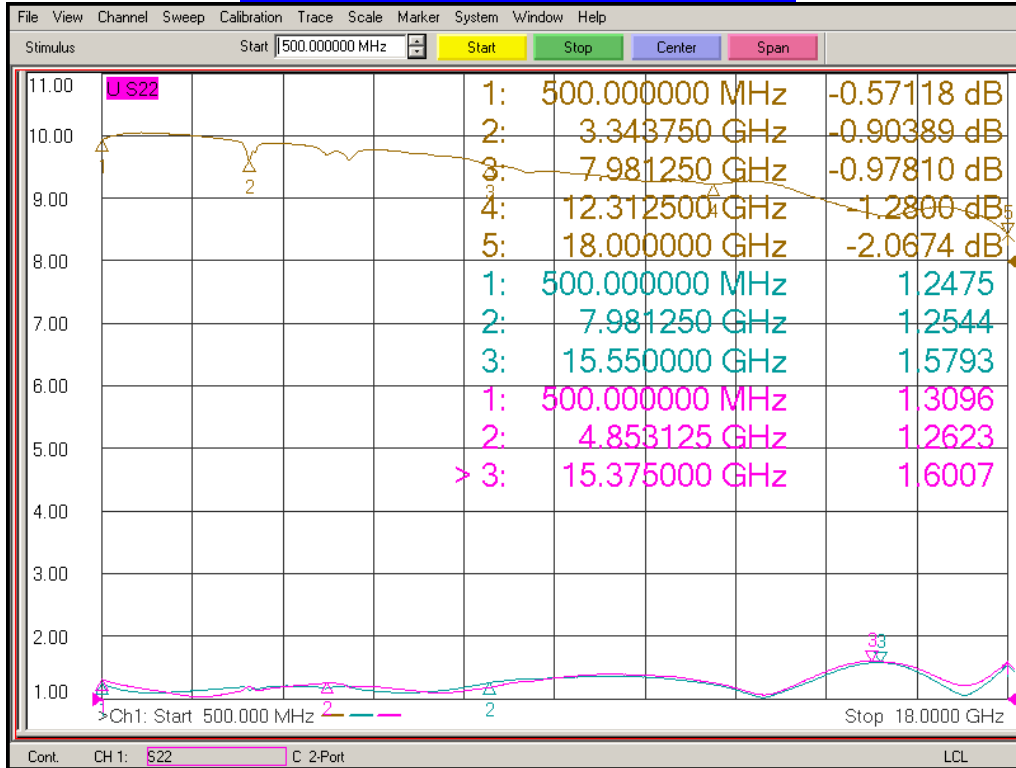
QA/QC Approval: _____ Date: _____



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(J1 – J2) Insertion Loss and Return Loss



(J1 – J2) Isolation

