



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

PL28130/2011

Customer:	Tested By: <u>L. McGraw</u>
SO No:	Temperature: <u>+25°C</u>
Model No: <u>P1T-500M18G-80-R-SFF-SW21841A</u>	Date: <u>03/13/20</u>
Serial No: <u>PL28130/2011</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	PMI QA1
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 -91dB 2.0 GHz -102dB 12.4 GHz -94dB 18.0 GHz -91dB (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 -0.65dB 4.0 GHz -0.73dB 8.0 GHz -1.09dB 12.4 GHz -1.44dB 18.0 GHz -2.40dB (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 1.3:1 8.0 GHz 1.2:1 18.0 GHz 1.7:1 Output VSWR 4.0 GHz 1.4:1 8.0 GHz 1.2:1 18.0 GHz 1.8:1 (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	See Typical Characteristics	
7	Delay On / Off (50% to 10% / 90% RF)	20 ns Max	See Typical Characteristics	
8	DC Supply	+15VDC @ 100 mA Typ -15VDC @ 45 mA Typ	42mA 29mA	
9	Control Signal	TTL COMPATIBLE 0 "ISOLATION" 1 "INSERTION LOSS"	Pass	PMI QA1

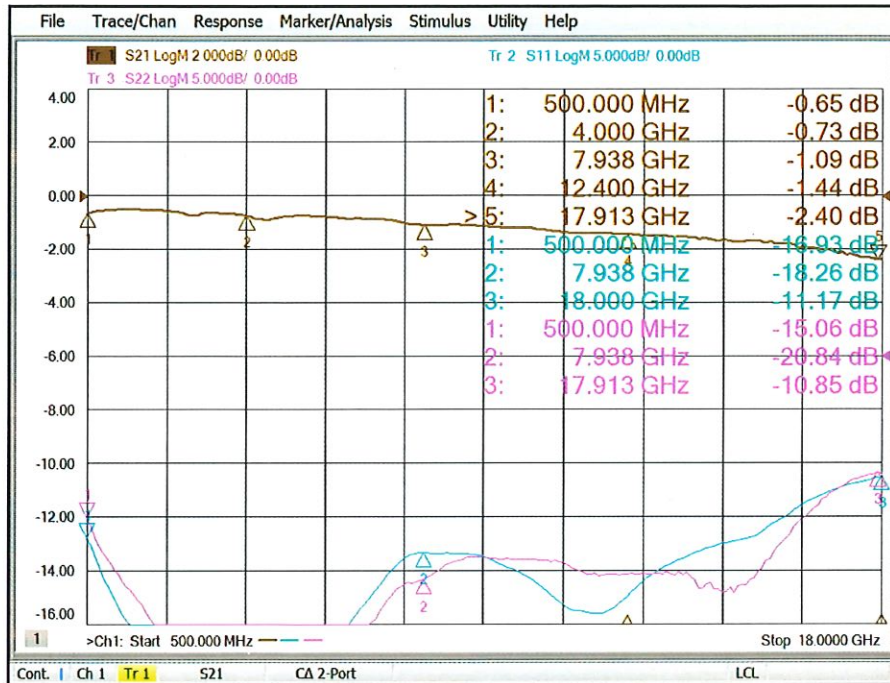
QA/QC Approval: **PMI QA1** Date: 3/16/20



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(J1 – J2) Insertion Loss and Return Loss



(J1 – J2) Isolation

