



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

PL28132/2011

Customer: \_\_\_\_\_ Tested By: L. McGraw  
 SO No: \_\_\_\_\_ Temperature: +25°C  
 Model No: P1T-500M18G-80-R-SFF-SW21841A Date: 03/13/20  
 Serial No: PL28132/2011 Drawing No: 27629121 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	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 -102dB 2.0 GHz -102dB 12.4 GHz -89dB 18.0 GHz -88dB (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 -0.93dB 8.0 GHz -1.13dB 12.4 GHz -1.70dB 18.0 GHz -2.41dB (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 1.8:1  Output VSWR 4.0 GHz 1.4:1 8.0 GHz 1.1:1 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: \_\_\_\_\_

*[Handwritten signatures]*

PMI  
QA1

Date: \_\_\_\_\_

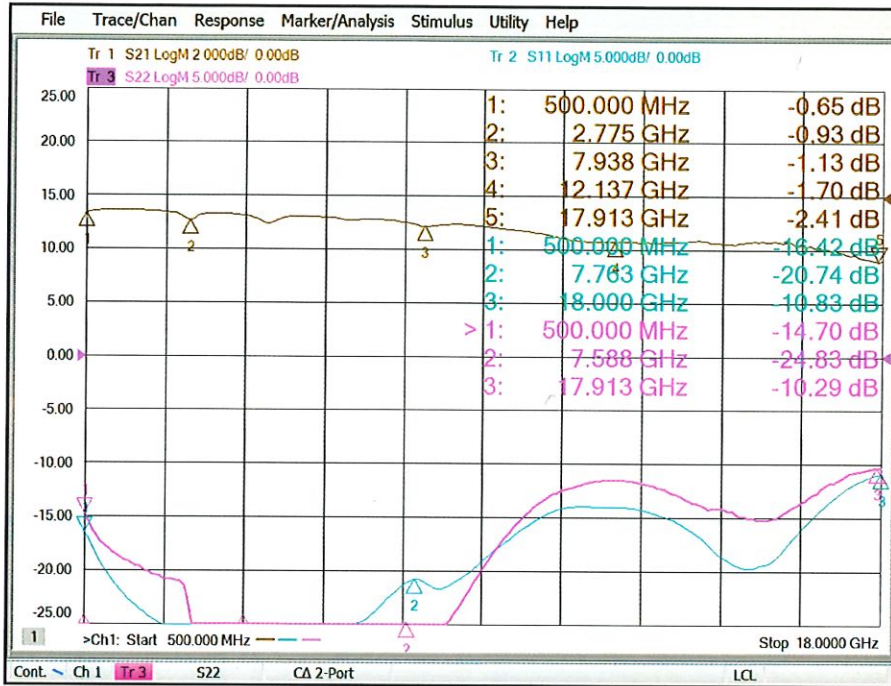
3/16/20



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**(J1 – J2) Insertion Loss and Return Loss**



**(J1 – J2) Isolation**

