



TYPICAL CHARACTERISTICS
ON
P2T-1G18G-10-R-528-SFF-HIP10W



Tested by: Randy Combs

January 23, 2012



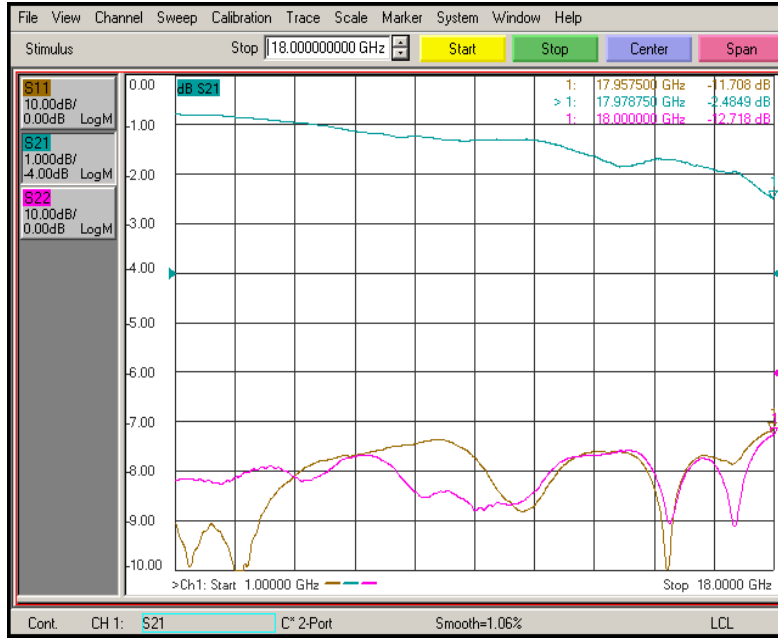
**TYPICAL CHARACTERISTICS
ON
P2T-1G18G-10-R-528-SFF-HIP10W**

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	1.0 TO 18.0 GHz	1.0 TO 18.0 GHz	
2	Isolation:	10 dB Min	Pass 25.73 dB	
3	Insertion Loss:	4.0 dB Max; 3.0 dB Goal	Pass 2.66 dB	
4	VSWR (In/Out):	2.0:1	Pass 1.76:1	
5	Operating Input Power:	10W CW	Pass	
6	1dB Compression:	+40 dBm Goal	Pass	
7	RF Switching Speed:	100ns Goal	40nS See Plots	
8	DC Voltage:	+5 V @ 20 mA -28 V @ 200mA	2.19 mA 2.25 mA	
9	Control Signal:	TTL "0" → (J1-J2) TTL "1" → (J1-J3)	Pass	



TYPICAL CHARACTERISTICS ON P2T-1G18G-10-R-528-SFF-HIP10W

(J1-J2) Insertion Loss and Return Loss



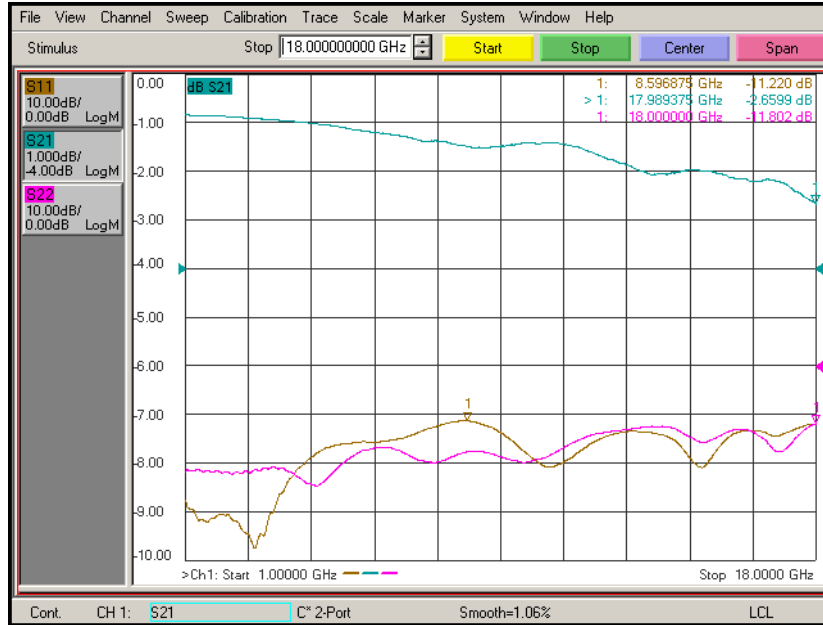
(J1 - J2) Isolation



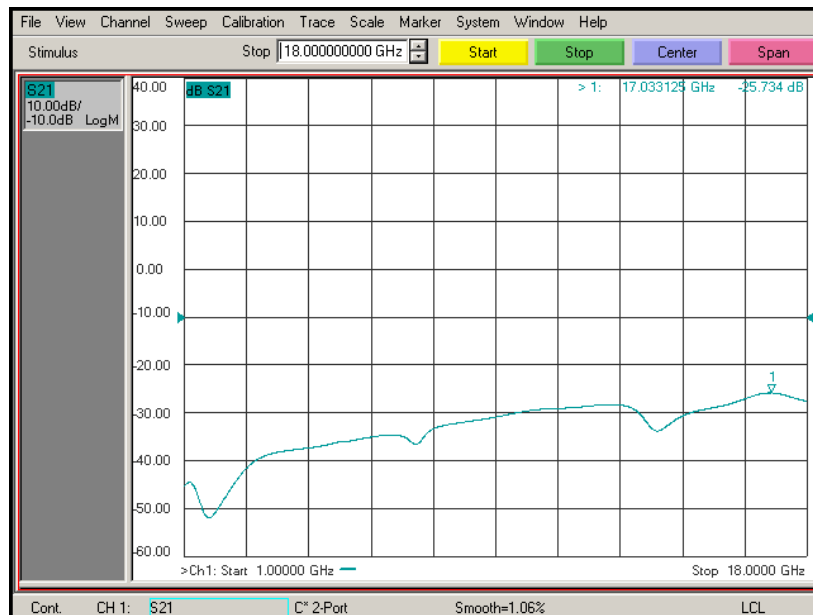


TYPICAL CHARACTERISTICS ON P2T-1G18G-10-R-528-SFF-HIP10W

(J1-J3) Insertion Loss and Return Loss



(J1 - J3) Isolation



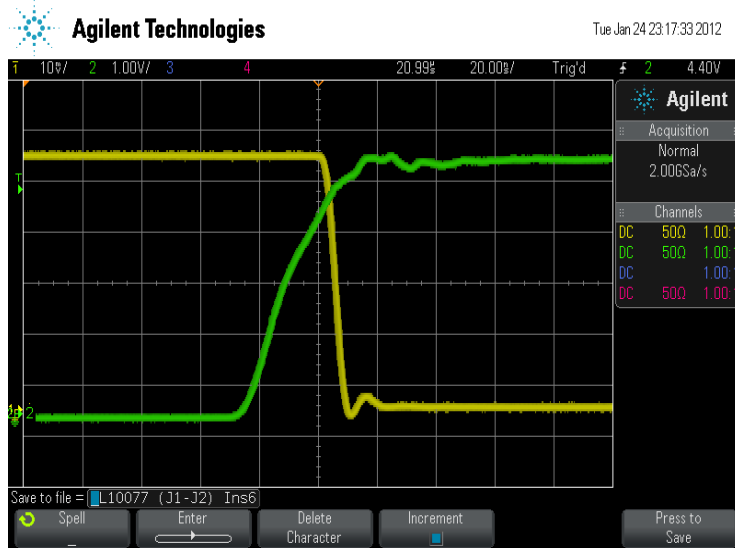


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Switching Speed

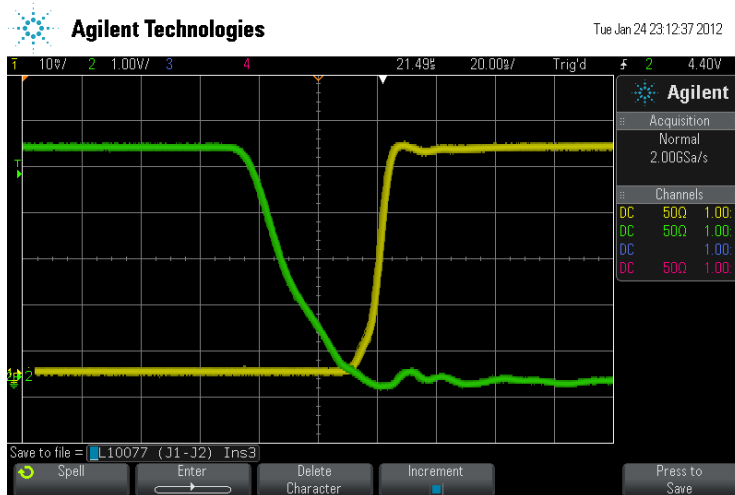
OFF Delay

20ns per Div.



ON Delay

20ns per Div.



Yellow Trace: RF Signal
Green Trace: TTL Signal

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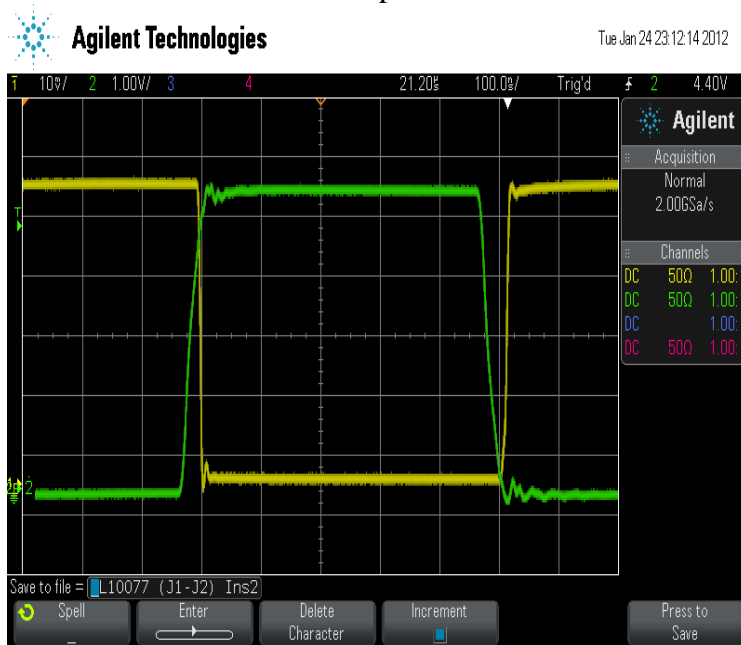


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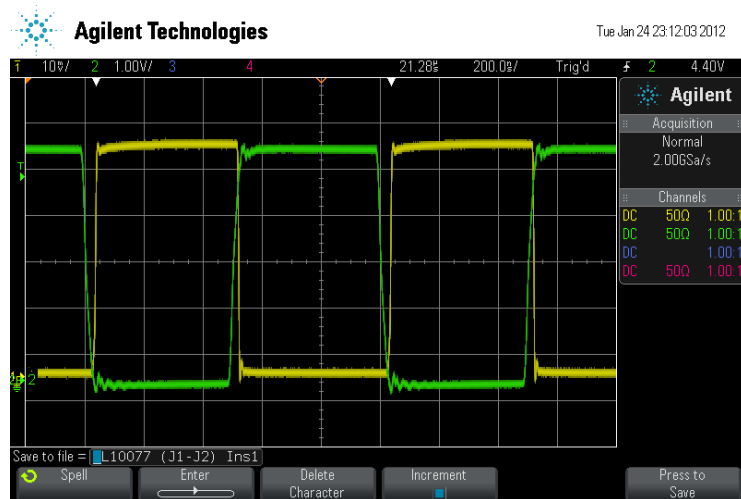
Switching Speed

Full Pulse

100nS per div



200nS per div



Yellow Trace: RF Signal
Green Trace: TTL Signal