



**TYPICAL CHARACTERISTICS
ON
P2T-10K20G-5-R-20-SFF**

**THE MODEL P2T-10K20G-5-20-R-SFF IS A
SINGLE POLE, TWO THROW, REFLECTIVE SWITCH.
THE FREQUENCY RANGE IS 10 kHz TO 20 GHz
AND HAS 20dB OF MINIMUM ISOLATION.**



February 21, 2014

Tested & Reported By: Sebastian Palacio



**TYPICAL CHARACTERISTICS
ON
P2T-10K20G-5-R-20-SFF**

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS FAIL	QA QC
1	Frequency Range:	10kHz – 20GHz	10kHz – 20GHz See Plot	
2	Insertion Loss:	5.0 dB Max	4.13 dB See Plot	
3	Isolation:	20 dB Min.	20.82dB See Plot	
4	VSWR:	2.0:1 Max.	1.92 :1 See Plot	
5	Switching Speed:	200ns Max.	150 ns See Plot	
8	DC Supply:	+5V @ 100mA Max.	32mA	
9	Control Signal:	TTL "0" → (J1-J2) TTL "1" → (J1-J3)	Pass	



**TYPICAL CHARACTERISTICS
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(J1-J2) Insertion Loss and Return Loss



(J1-J3) Insertion Loss and Return Loss





TYPICAL CHARACTERISTICS ON P2T-10K20G-5-R-20-SFF

(J2) Isolation



(J3) Isolation



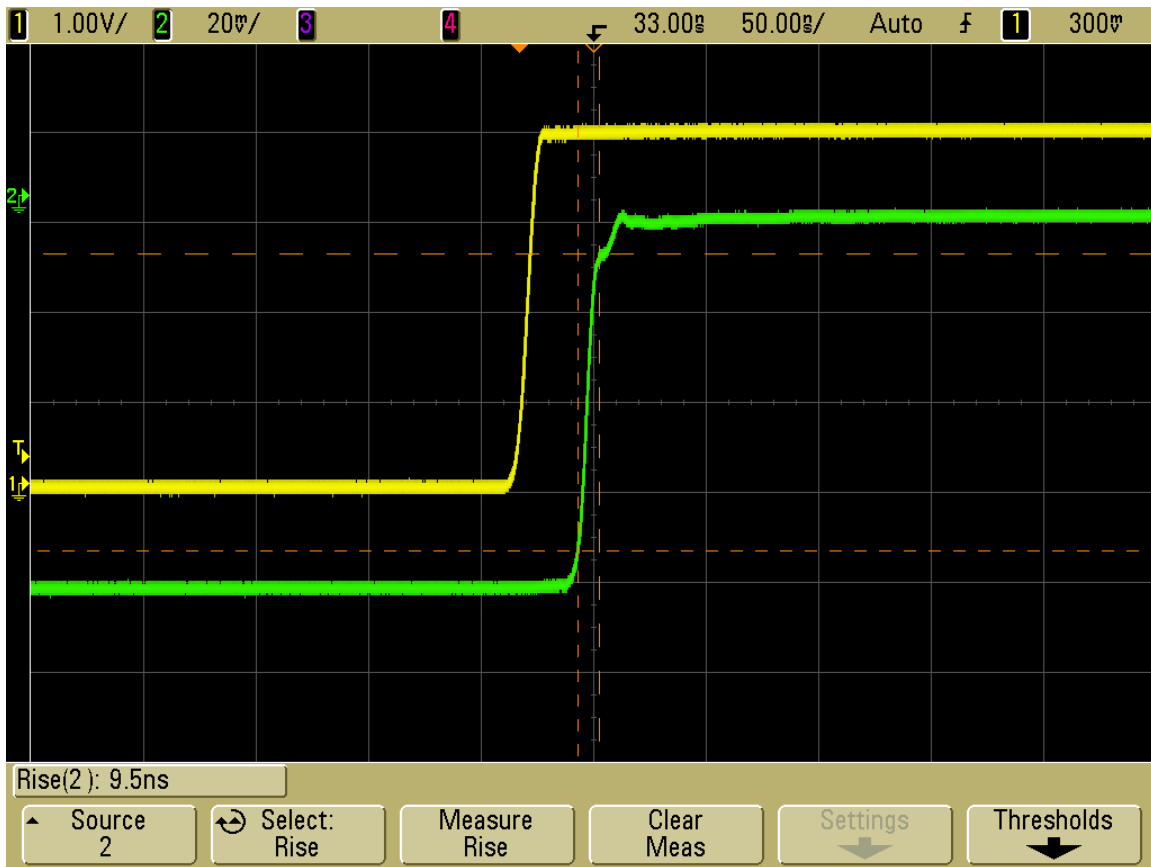


**TYPICAL CHARACTERISTICS
ON
P2T-10K20G-5-R-20-SFF**

Switching Speed (50 KHz @ 50% Duty cycle)

OFF Delay*

50ns per Div.



Yellow Trace: TTL Signal
Green Trace: RF Signal

*Switching speed measured using a Detector (Green Trace Inverted)

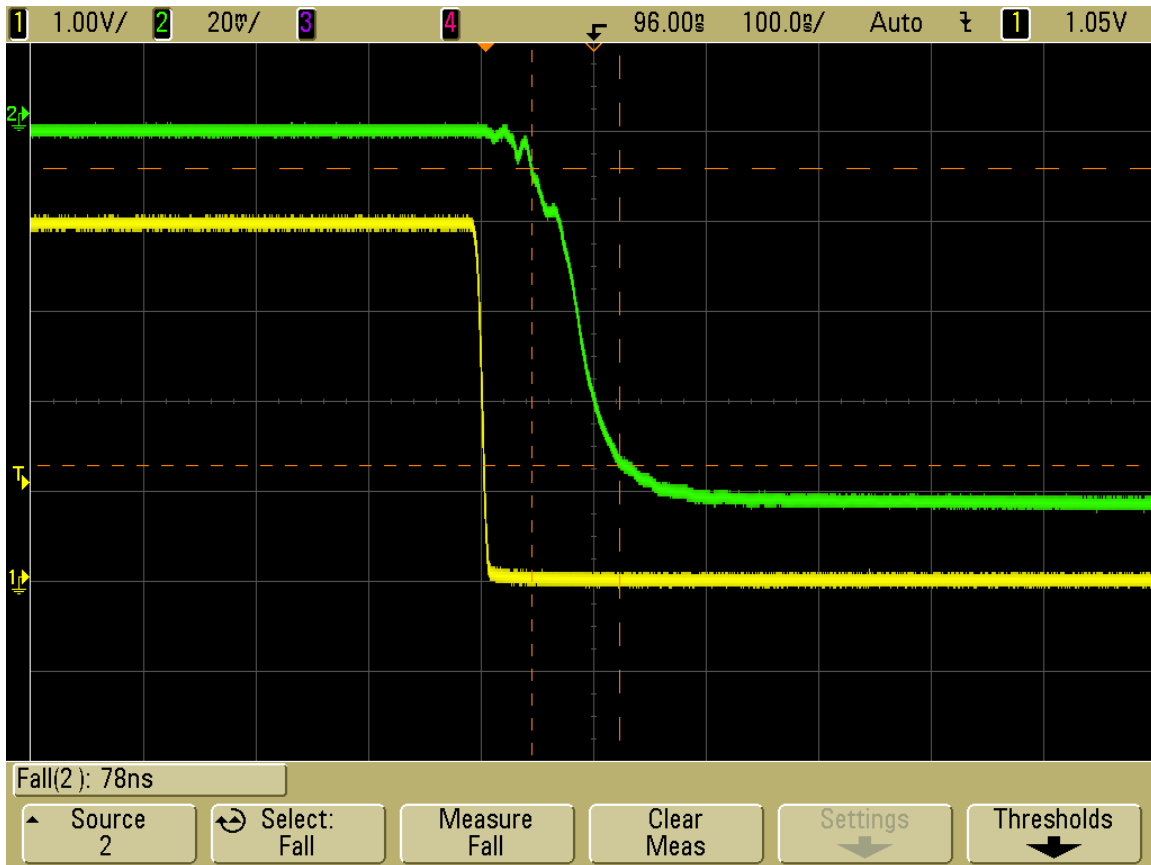


**TYPICAL CHARACTERISTICS
ON
P2T-10K20G-5-R-20-SFF**

Switching Speed (50 KHz @ 50% Duty cycle)

ON Delay*

100ns per Div.



Yellow Trace: TTL Signal
Green Trace: RF Signal

*Switching speed measured using a Detector (Green Trace Inverted)