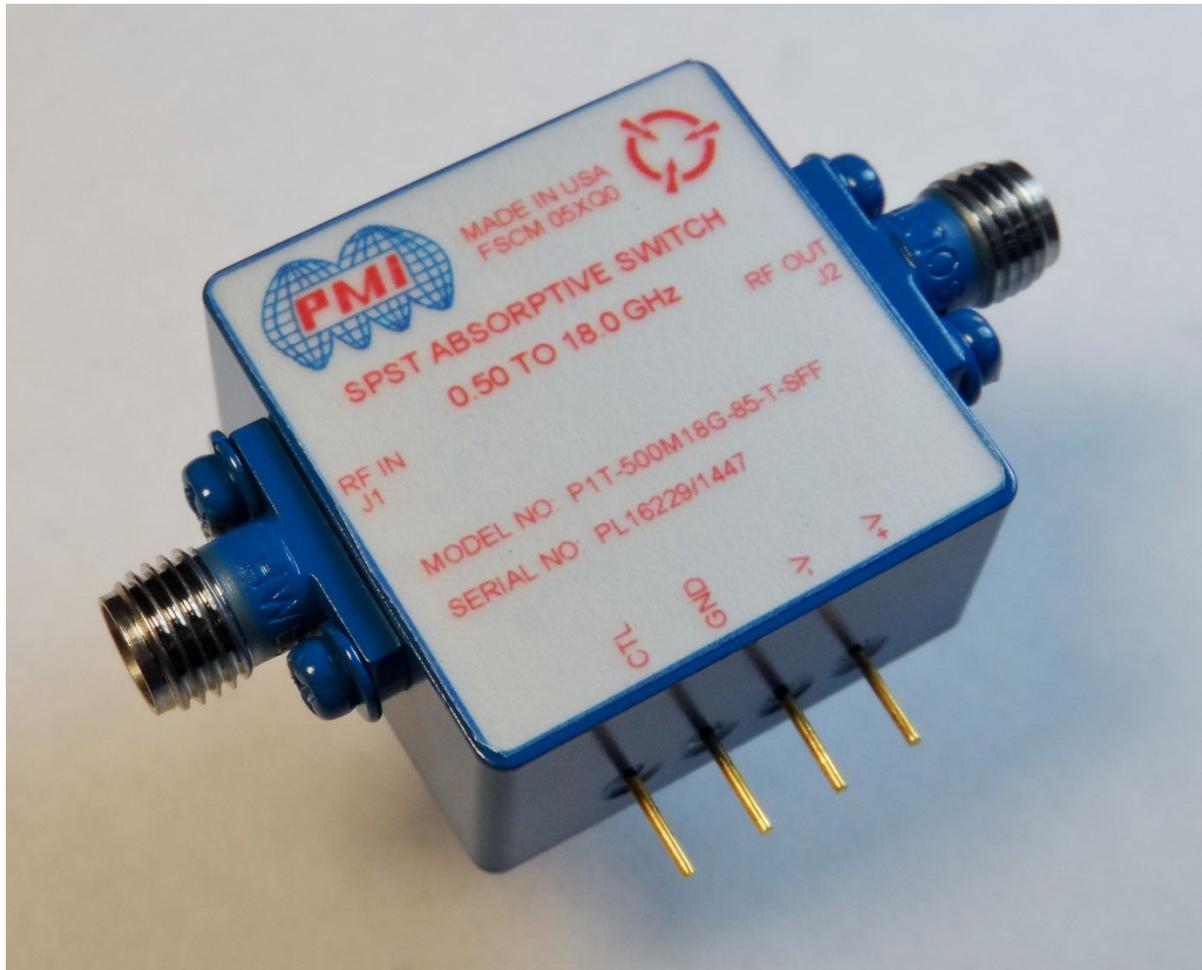




**TYPICAL CHARACTERISTICS
ON
P1T-500M18G-85-T-SFF**

PMI MODEL P1T-500M18G-85-T-SFF IS AN ABSORPTIVE, HIGH SPEED, SINGLE POLE SINGLE THROW SWITCH CAPABLE OF SWITCHING WITHIN 25 ns TYPICALLY. THE FREQUENCY RANGE IS 500 MHz TO 18 GHz. THIS SWITCH HAS > 85 dB ISOLATION.



December 3, 2014

Designed By: PMI Engineering

Tested & Reported By: Sebastian Palacio

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com



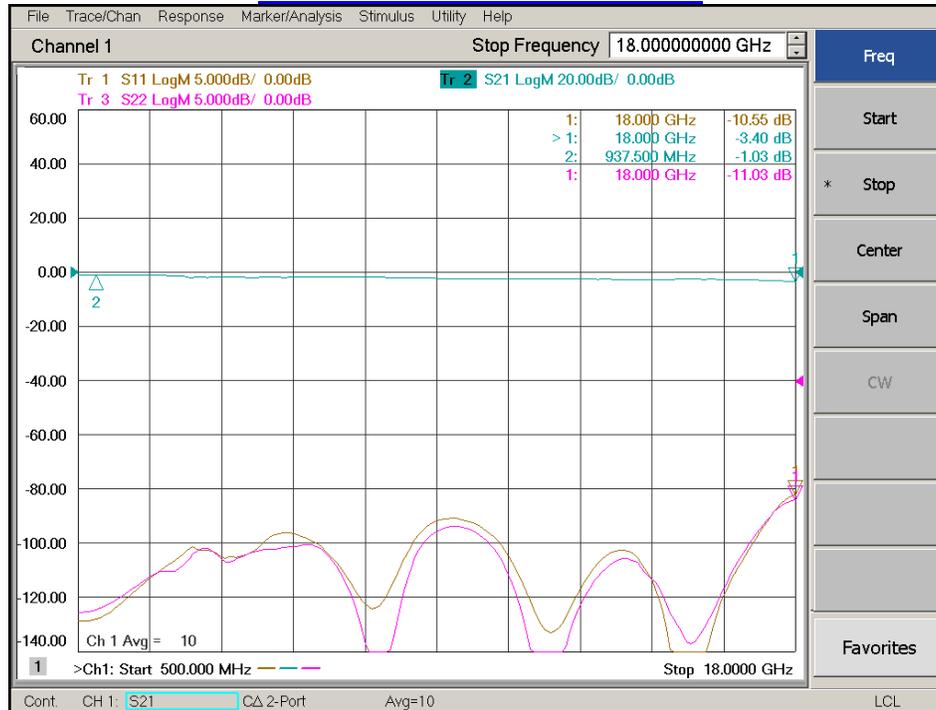
**TYPICAL CHARACTERISTICS
ON
P1T-500M18G-85-T-SFF**

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	500 MHz to 18 GHz	500 MHz to 18 GHz See Plots	
2	Isolation:	85dB Min.	92.59dB See Plot	
3	Insertion Loss:	5.0dB Typ.	3.4dB See Plot	
4	VSWR: (In/Out)	2.5:1 Typ.	2.33:1 See Plots	
5	Input Power:	+20dBm CW Max.	Pass	
6	RF Switching Speed: (10% to 90% RF)	25ns Typ.	25ns See Plots	
7	DC Voltage:	+5VDC, 20mA Typ. -5VDC, 70mA Typ.	+5VDC, 20mA -5VDC, 63mA	
8	Video Transients	Not Specified	800mV Peak to Peak Typ. See Plots	
9	Control Signal:	TTL Compatible "0" = Insertion Loss "1" = Isolation	Pass	

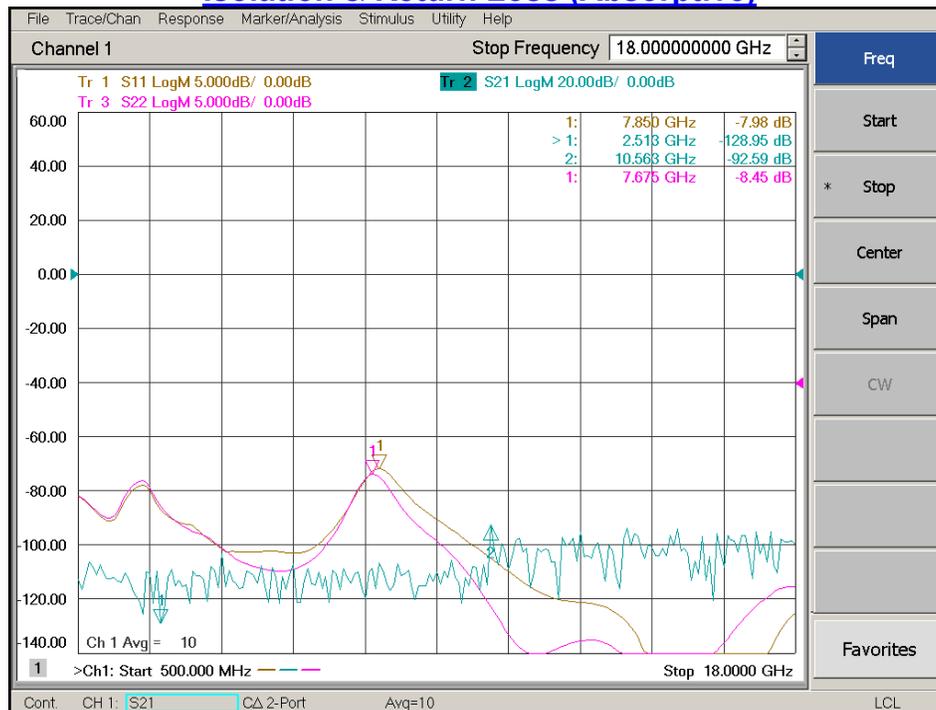


TYPICAL CHARACTERISTICS ON P1T-500M18G-85-T-SFF

Insertion Loss & Return Loss



Isolation & Return Loss (Absorptive)



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**TYPICAL CHARACTERISTICS
ON
P1T-500M18G-85-T-SFF**

**Switching Speed
OFF Delay
20ns per Div.**



**ON Delay
20ns per Div.**



**GREEN TRACE: TTL SIGNAL
YELLOW TRACE: RF SIGNAL**

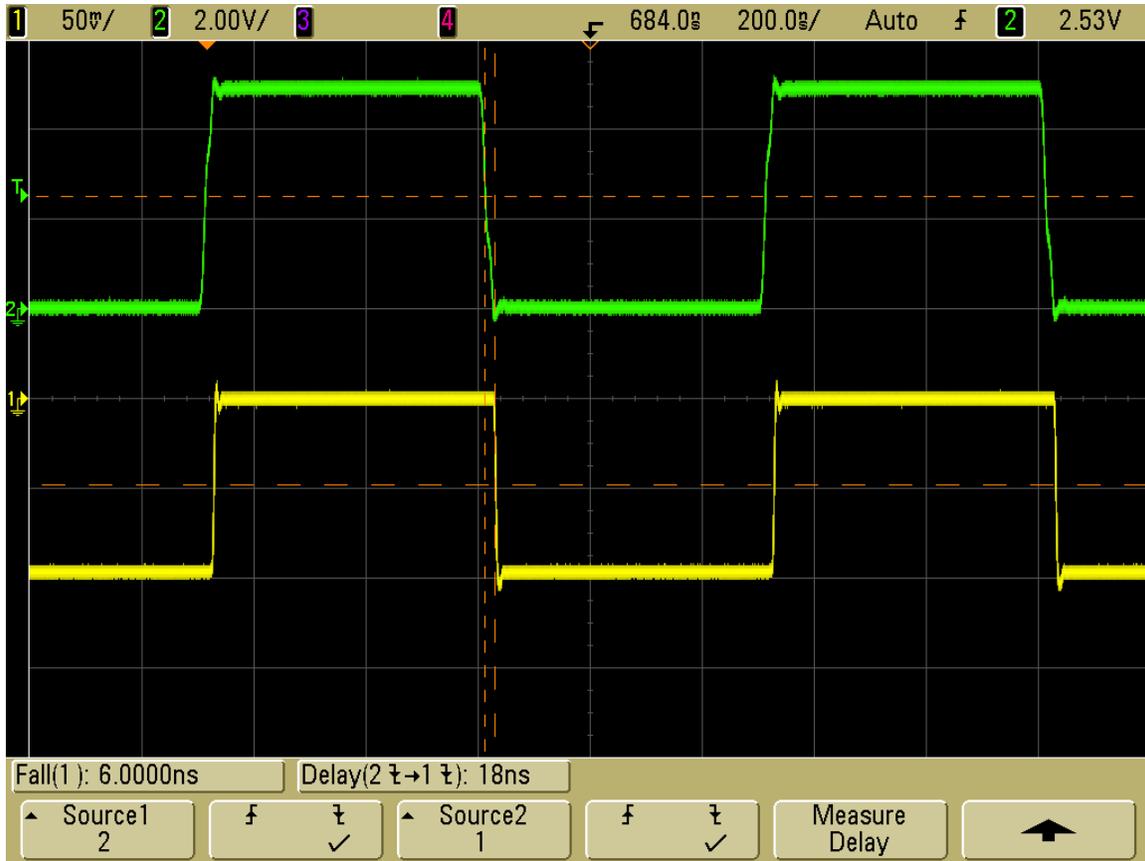
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**TYPICAL CHARACTERISTICS
ON
P1T-500M18G-85-T-SFF**

Full Pulse

200ns per Div.

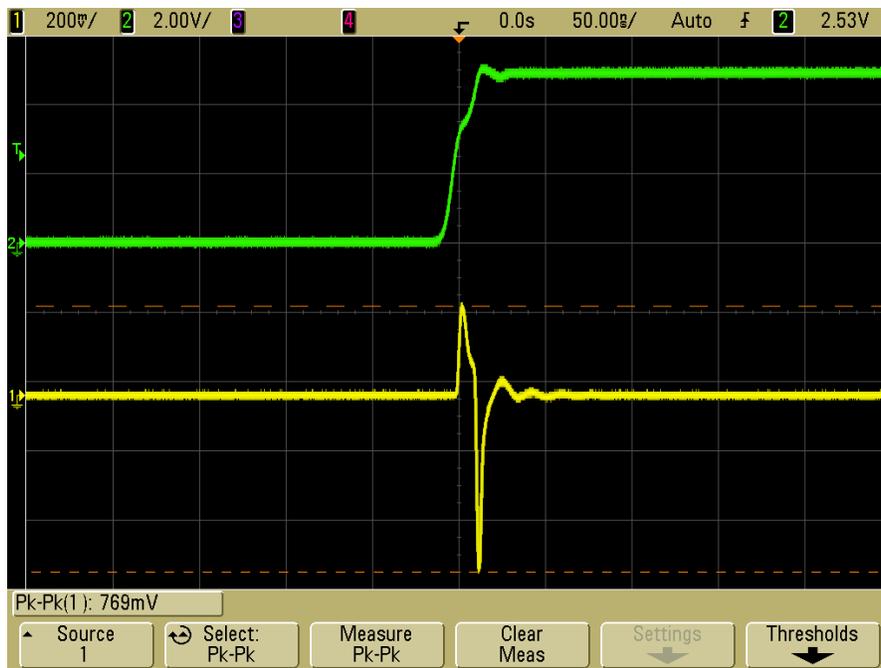
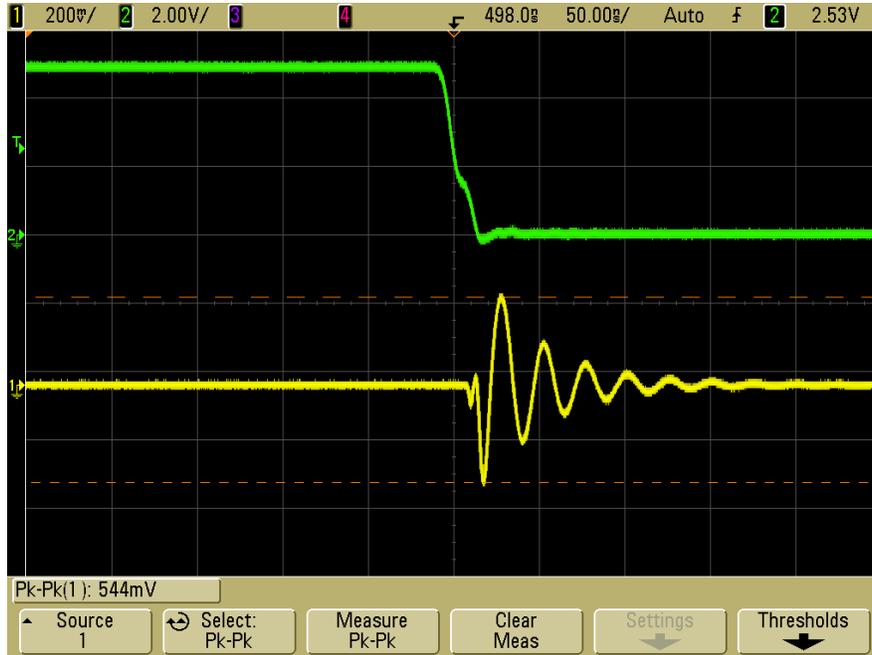


**GREEN TRACE: TTL SIGNAL
YELLOW TRACE: RF SIGNAL**



**TYPICAL CHARACTERISTICS
ON
P1T-500M18G-85-T-SFF**

Video Transients



**GREEN TRACE: TTL SIGNAL
YELLOW TRACE: VIDEO TRANSIENTS**

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