



# Typical Characteristics For TD-2018-CD-SFF



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**TEST DATA  
ON  
TD-2018-CD-SFF**

<b>TEST. ITEM NO</b>	<b>PARAMETERS</b>	<b>SPECIFIED VALUE</b>	<b>PASS FAIL</b>	<b>QA QC</b>
1	Frequency Range:	2 TO 18 GHz Min	2 TO 18 GHz	
2	VSWR:	3.0: 1 Typ @ -20dBm	<b>2.46:1 (See Plot)</b>	
3	Threshold Variation Over Frequency	± 1.0 dB (Max)	<b>Pass</b>	
4	Propagation Delay (From 50% RF to 50% TTL @ -10dBm (3dB Above Threshold)	10 nsec Typ	<b>Pass (See Plot)</b>	
5	Dynamic Range:	-20dBm to +10dBm	<b>Pass (See Plot)</b>	
5	DC Supply:	±5VDC @ 100mA Typ	+5VDC @ 45mA -5VDC @ 37mA	



## VSWR

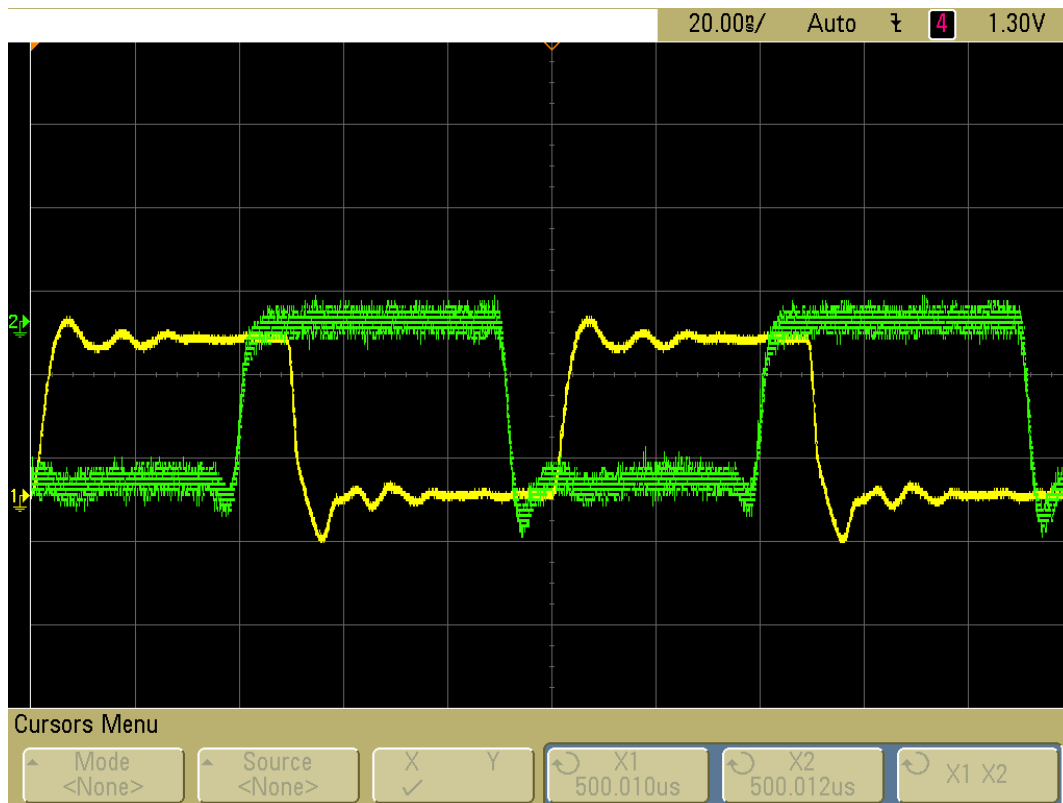




## Propagation Delay

### Full Pulse

20ns per Div. & 100ns Pulse Width



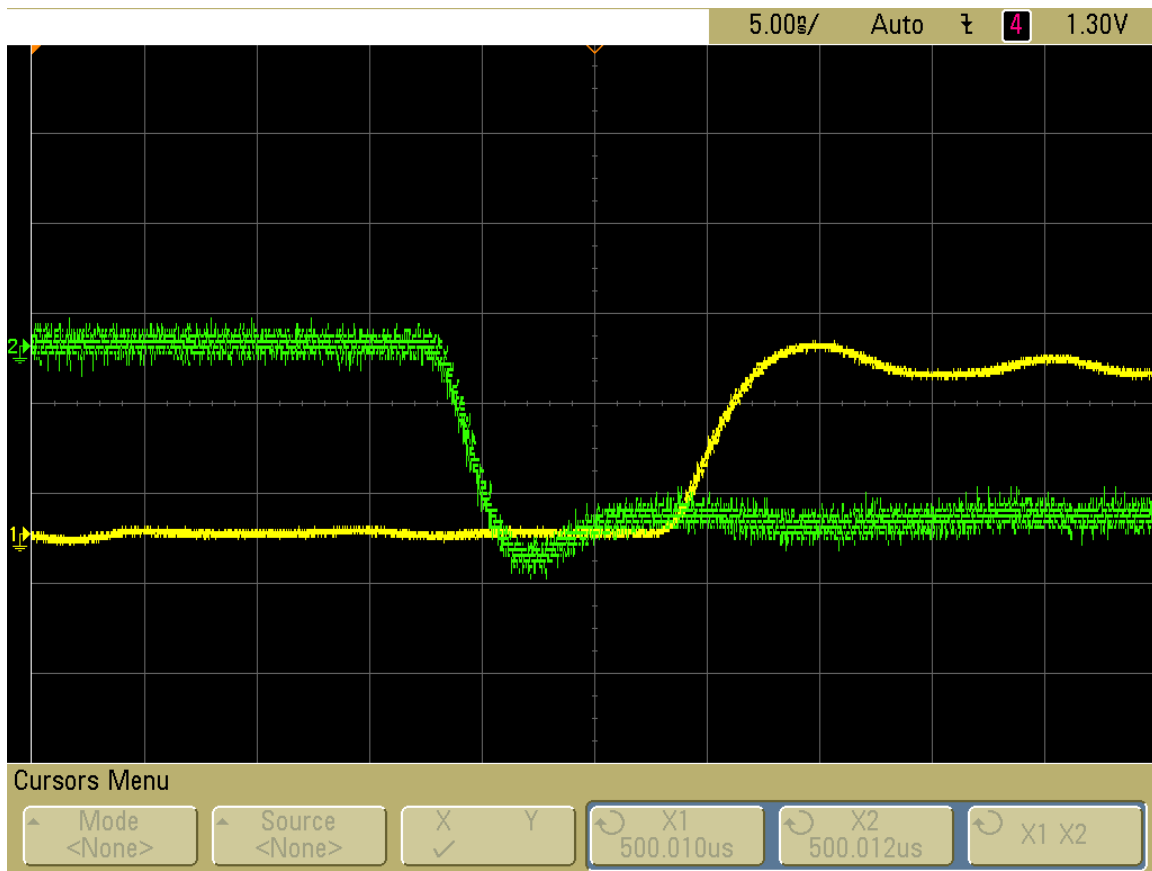
Green Trace = RF using a Crystal Detector (Neg) output.  
Yellow Trace = TTL Output 2V per Div.



## Propagation Delay

### ON Delay

5ns per Div. & 100ns Pulse Width



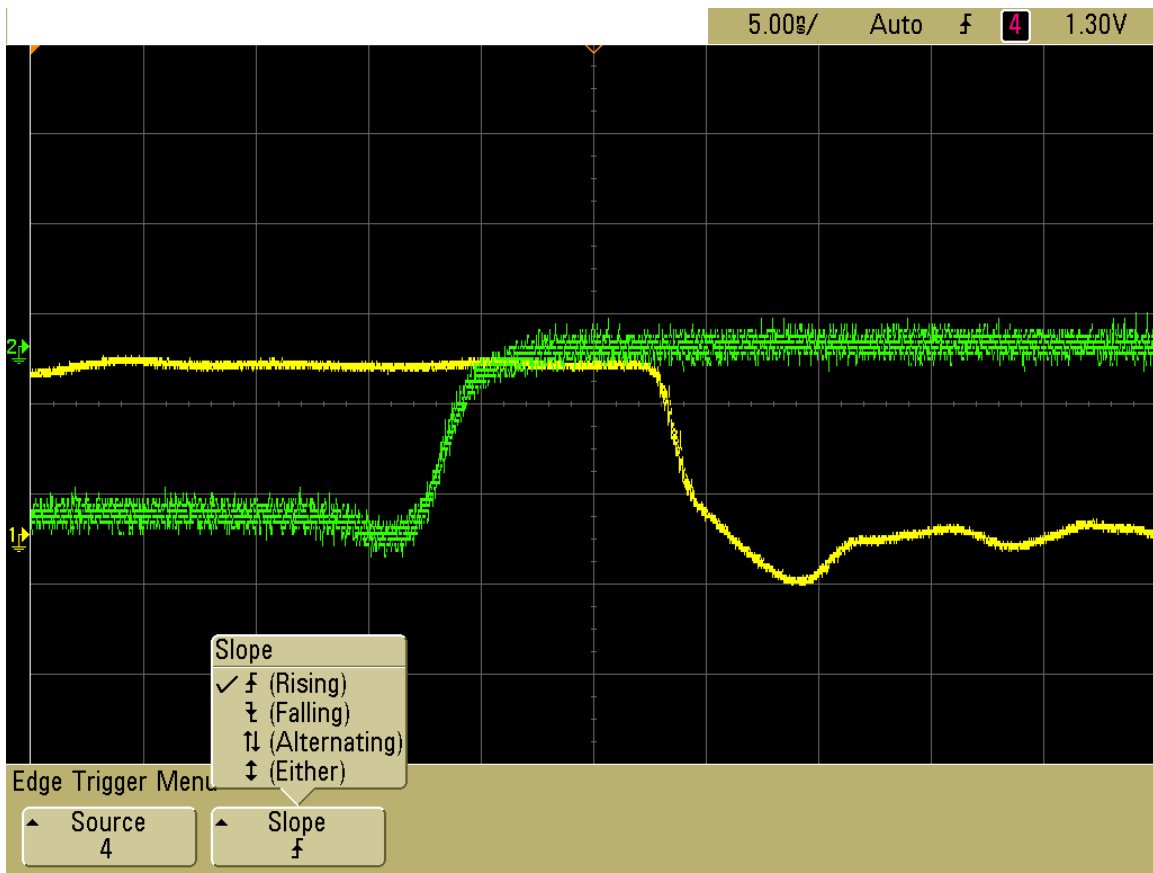
Green Trace = RF using a Crystal Detector (Neg) output.  
Yellow Trace = TTL Output 2V per Div.



**Propagation Delay**

**OFF Delay**

**5ns per Div. & 100ns Pulse Width**



Green Trace = RF using a Crystal Detector (Neg) output.  
Yellow Trace = TTL Output 2V per Div.



## Dynamic Range

### Power In (dBm) vs. Trigger Voltage (mV)

