



Typical Characteristics For TD-50M4G-CD-SFF



October 3, 2011
Tested by: Kevin Mansfield
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

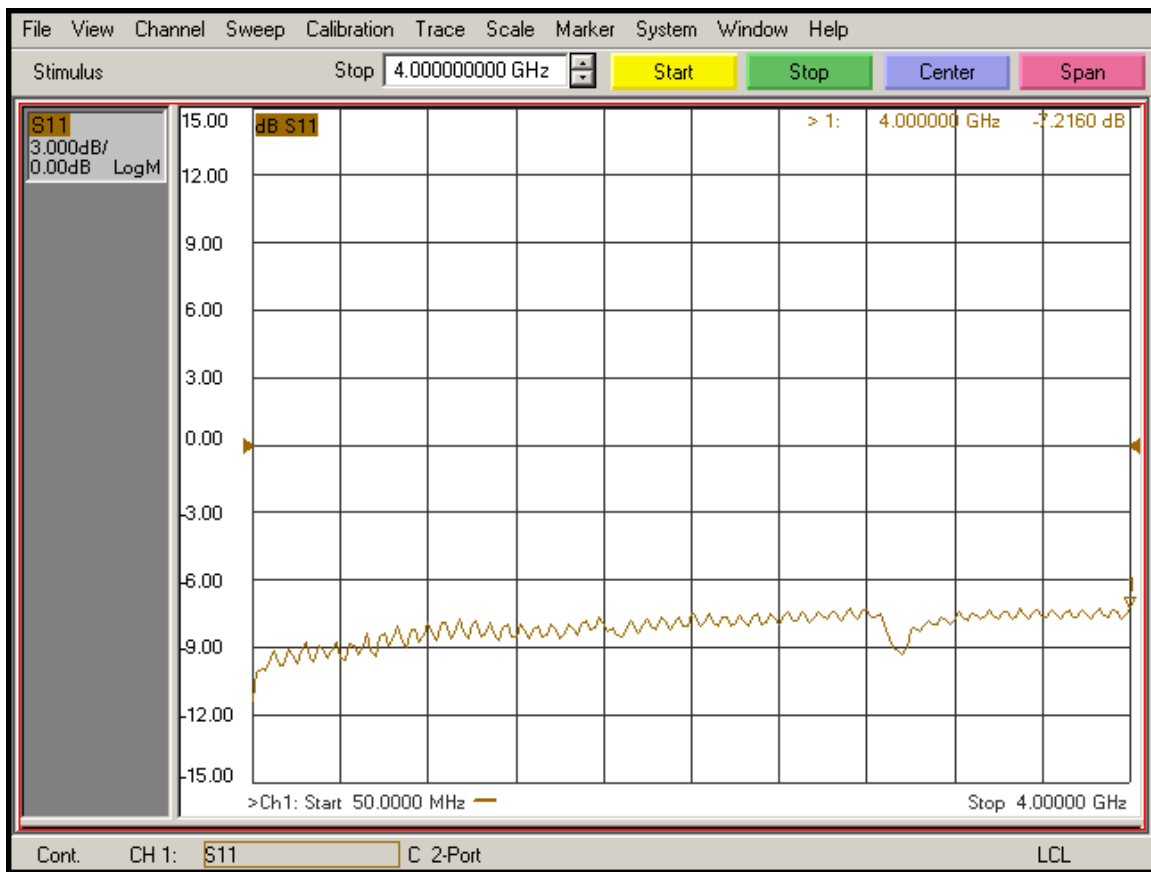


**TEST DATA
ON
TD-50M4G-CD-SFF**

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS FAIL	QA QC
1	Frequency Range:	50 MHz TO 4 GHz Min	50 MHz TO 4 GHz Min	
2	VSWR:	2.6:1 Typ @ -20dBm	2.4:1 (See Plot)	
3	Threshold Variation Over Frequency	± 0.75 dB (Max)	Pass	
4	Propagation Delay (From 50% RF to 50% TTL @ -10dBm (3dB Above Threshold)	20 nsec Typ	Pass (See Plot)	
5	Dynamic Range:	-20dBm to +10dBm	Pass (See Plot)	
5	DC Supply:	±5VDC @ 100mA Typ	+5VDC @ 43mA -5VDC @ 39mA	



VSWR

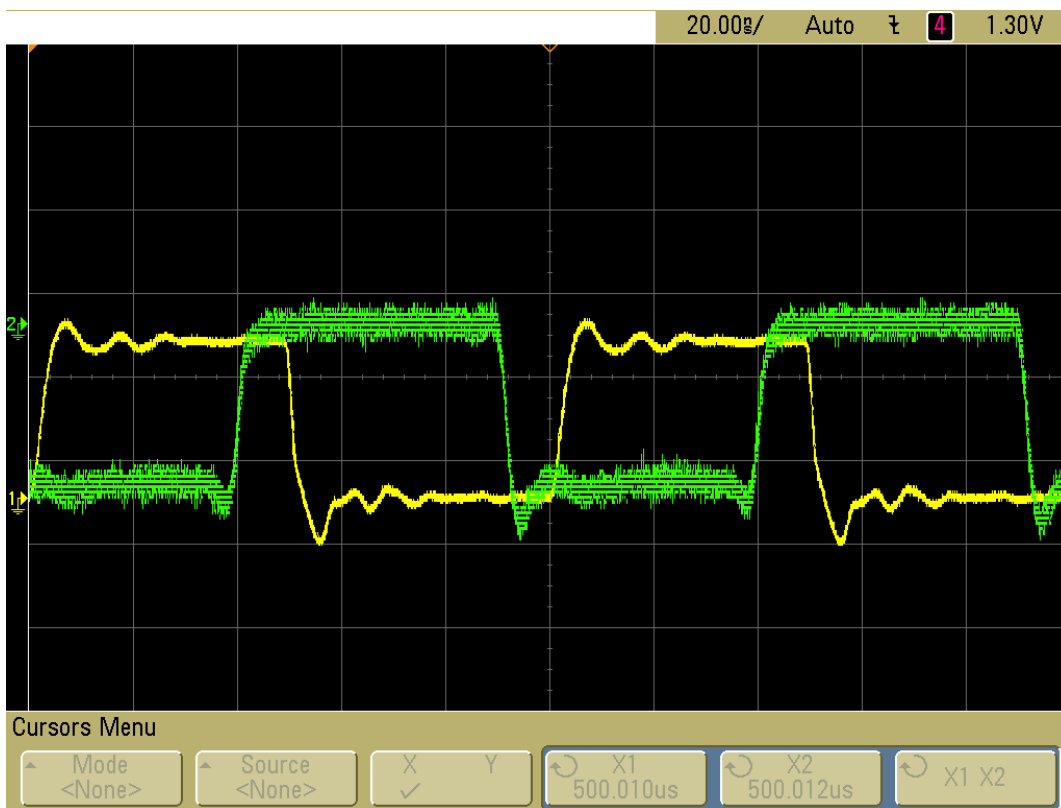




Propagation Delay

Full Pulse

20ns per Div. & 100ns Pulse Width



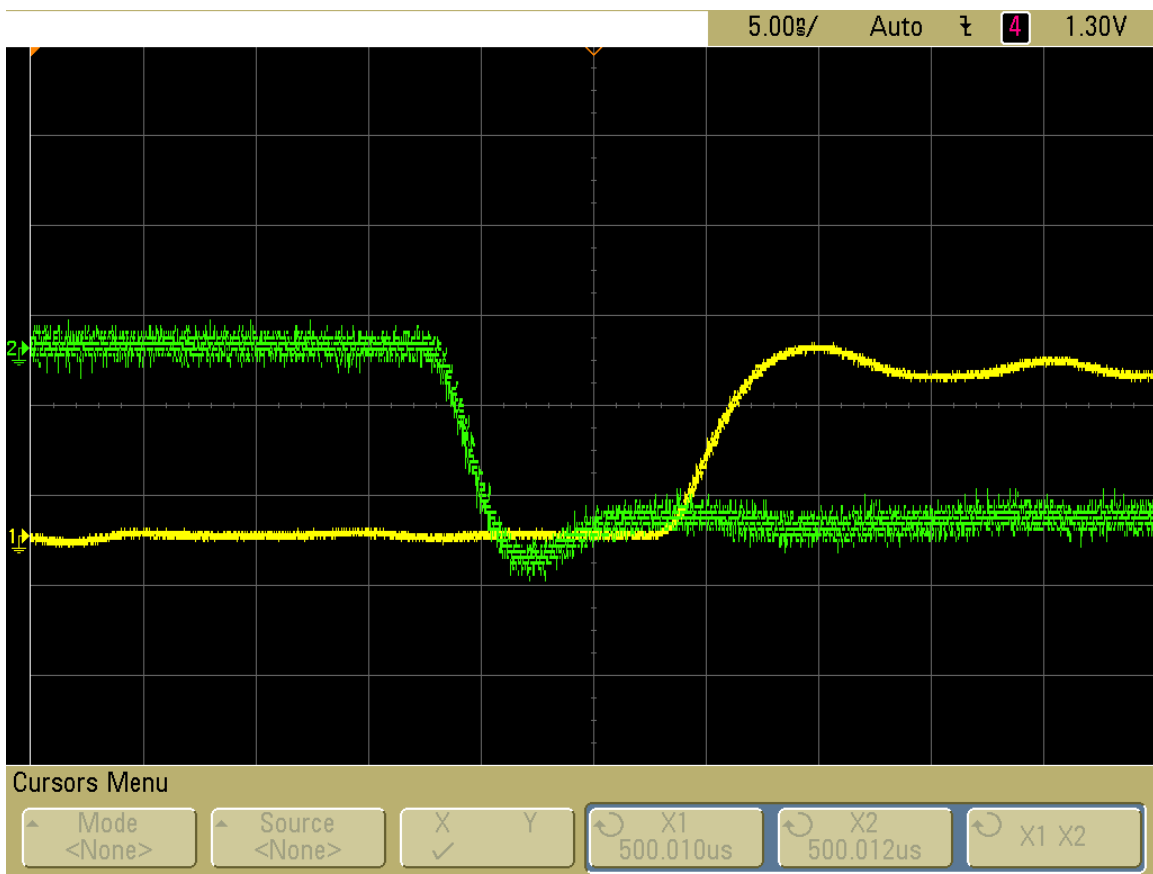
Green Trace = RF using a Crystal Detector (Neg) output.
Yellow Trace = TTL Output 2V per Div.



Propagation Delay

ON Delay

5ns per Div. & 100ns Pulse Width



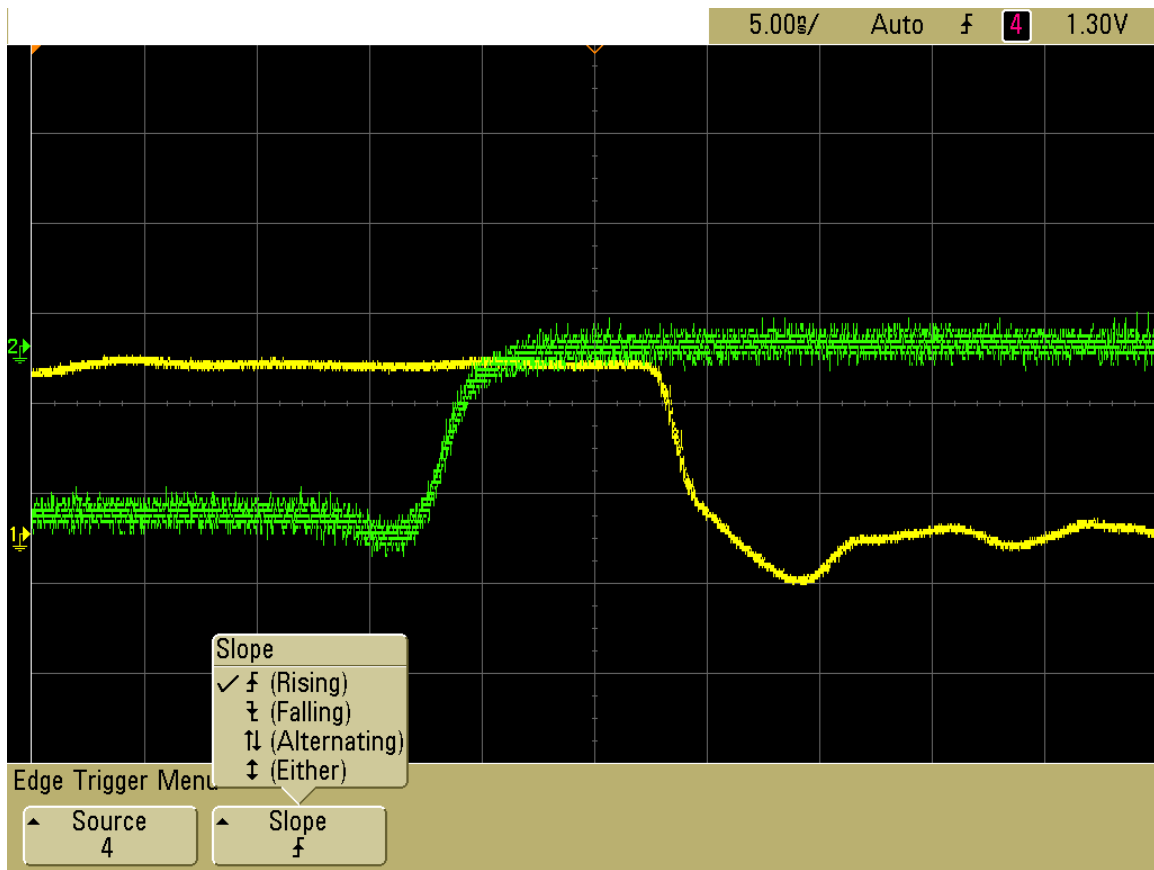
Green Trace = RF using a Crystal Detector (Neg) output.
Yellow Trace = TTL Output 2V per Div.



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)

