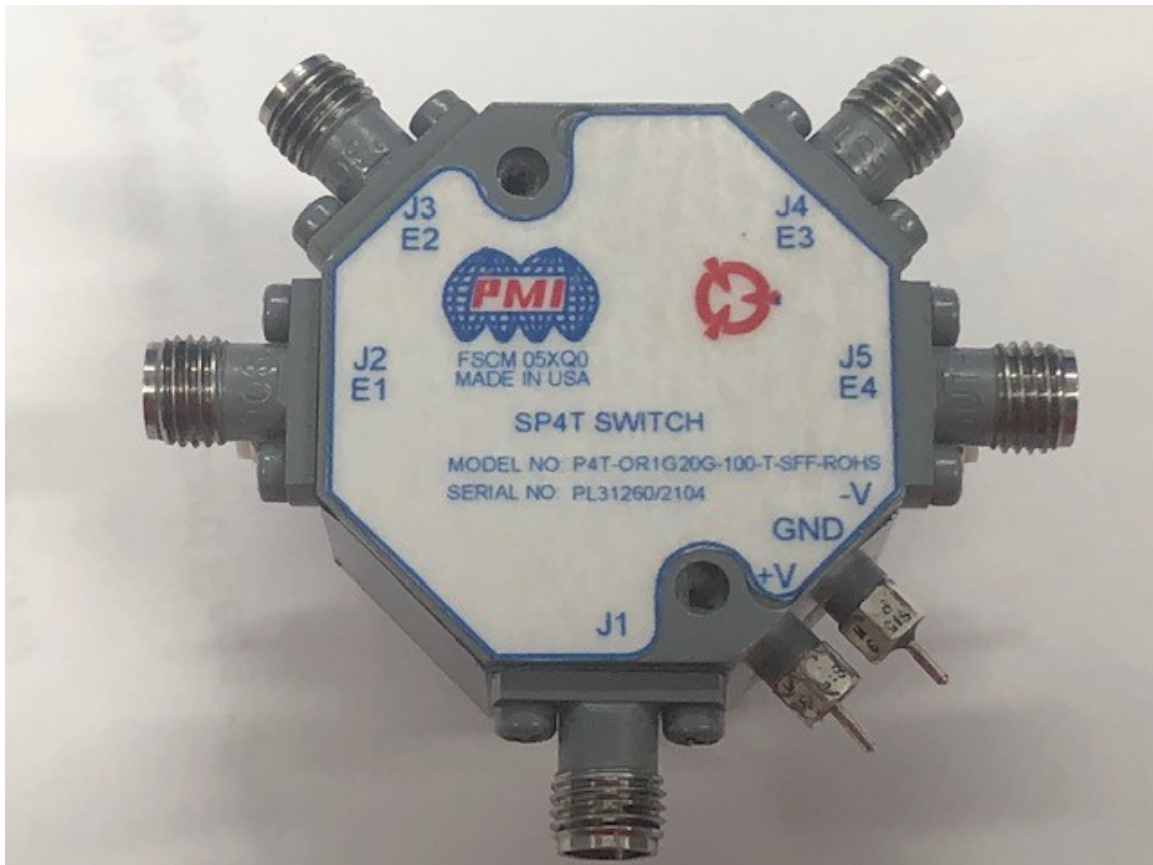




**Typical Characteristics
For
P4T-0R1G20G-100-T-SFF-ROHS**

**PMI MODEL: P4T-0R1G20G-100-T-SFF-ROHS IS A SINGLE POLE FOUR
THROW ABSORPTIVE SWITCH. THIS MODEL IS RoHS COMPLIANT AND
HAS THE FOLLOWING SPECIFICATIONS.**



January 26, 2021
Tested By: PMI Test Lab



**Typical Characteristics
For
P4T-0R1G20G-100-T-SFF-ROHS**

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.1 GHz – 20.0 GHz	0.1 GHz – 20.0 GHz	
2	Insertion Loss:	5.0dB Max	4.91dB	
3	Isolation:	110dB Min	110.3dB See Plots	
4	VSWR: (ON/OFF)	2.0:1 Max.	1.99:1 See Plots	
5	Switching Speed:	300 ns (10% - 90% RF)	<40ns See Typical Characteristics	
6	Control Logic:	TTL Logic "0" = ON, "1" = OFF	PASS	
7	Survival Power:	+30 dBm (1 Watt)	PASS	
8	Operating Power:	+20 dBm Max	PASS	
9	RF Phase Tracking:	2 Degree per Degree Celsius	See Typical Characteristics	
10	DC Supply:	+5VDC @ 200 mA Max -12VDC @ 100 mA Max	110mA 45mA	

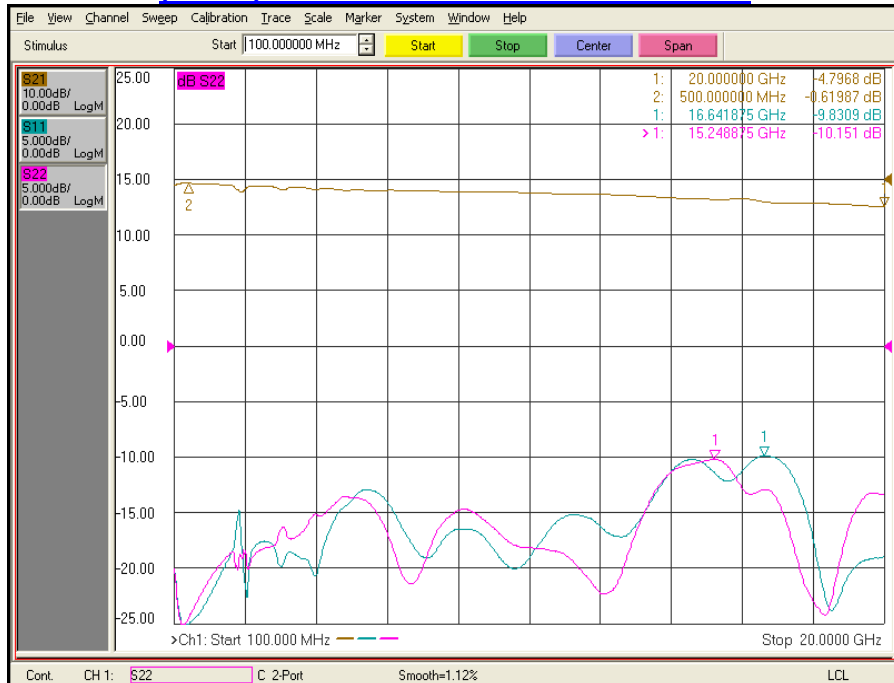


Typical Characteristics For P4T-0R1G20G-100-T-SFF-ROHS

(J1-J2) Insertion Loss and Return Loss



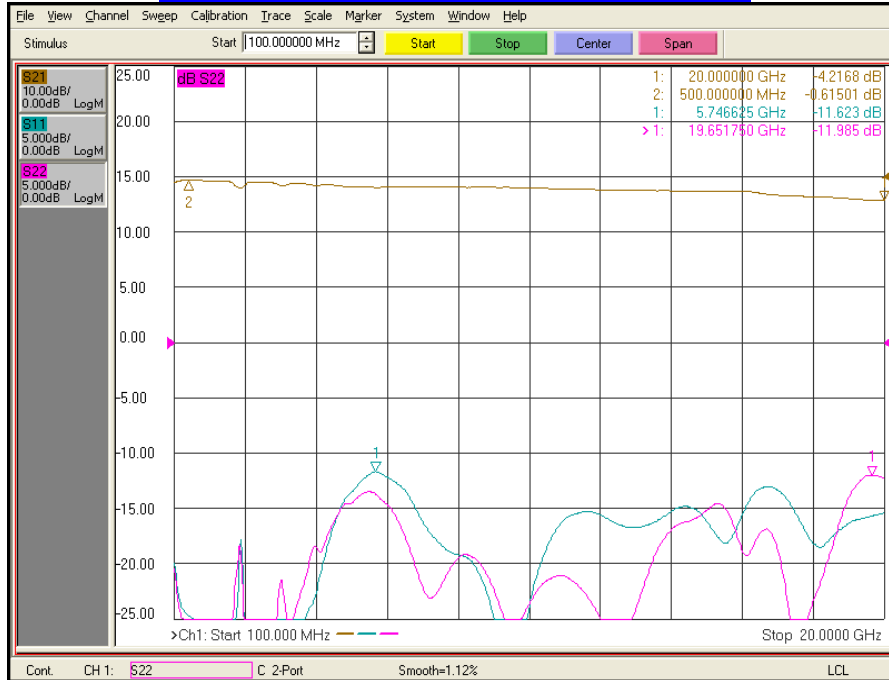
(J1-J3) Insertion Loss and Return Loss



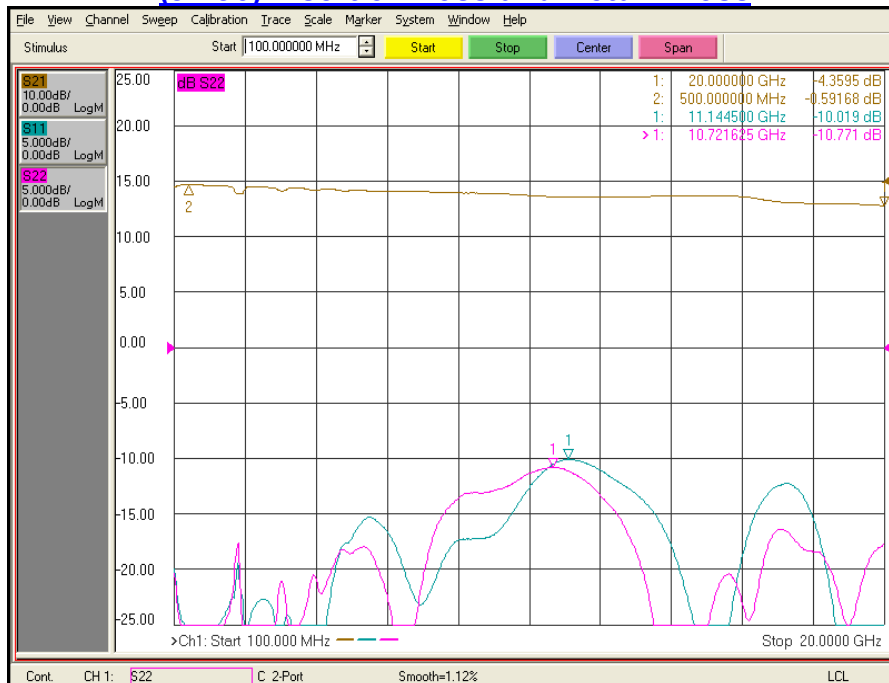


Typical Characteristics For P4T-0R1G20G-100-T-SFF-ROHS

(J1-J4) Insertion Loss and Return Loss



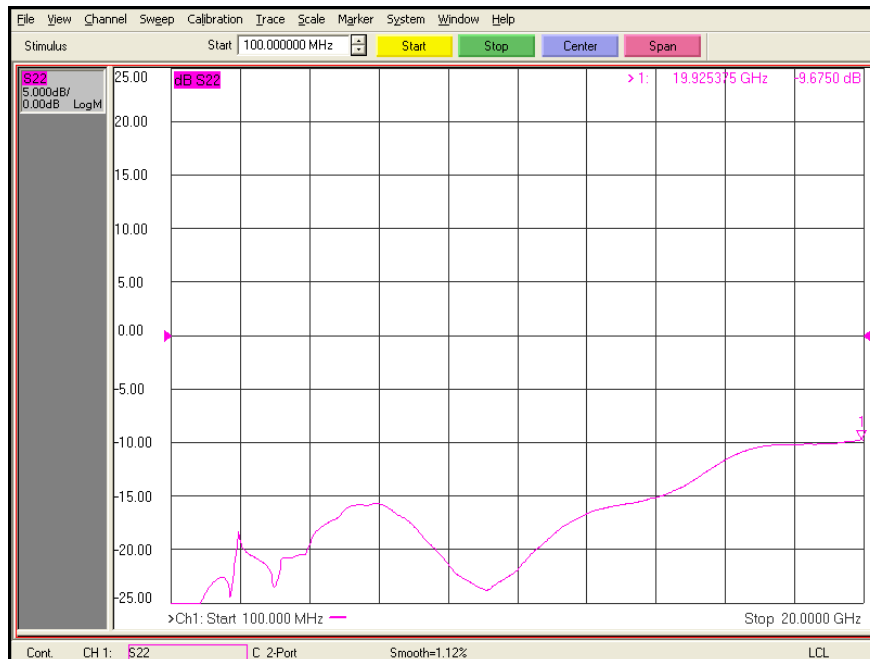
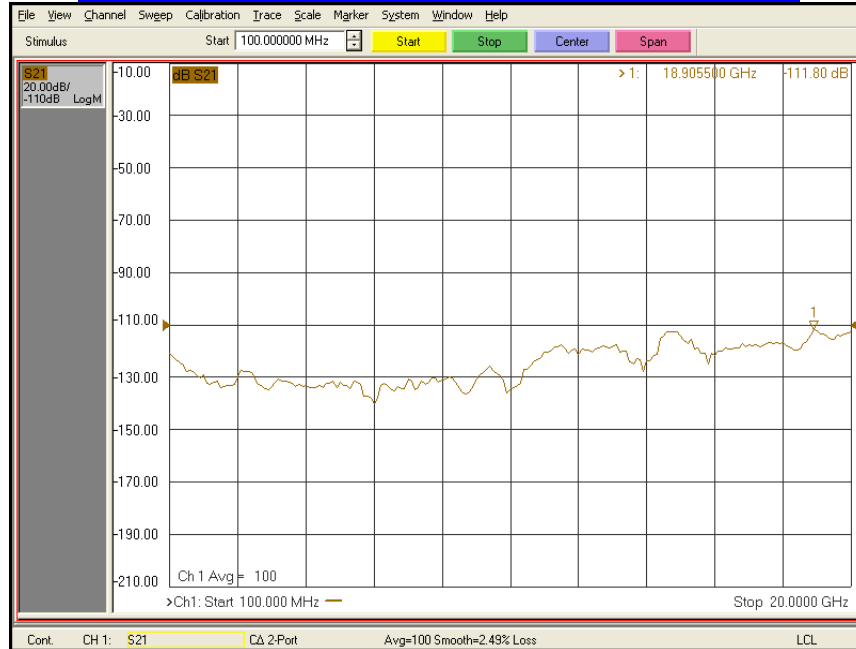
(J1-J5) Insertion Loss and Return Loss





Typical Characteristics For P4T-0R1G20G-100-T-SFF-ROHS

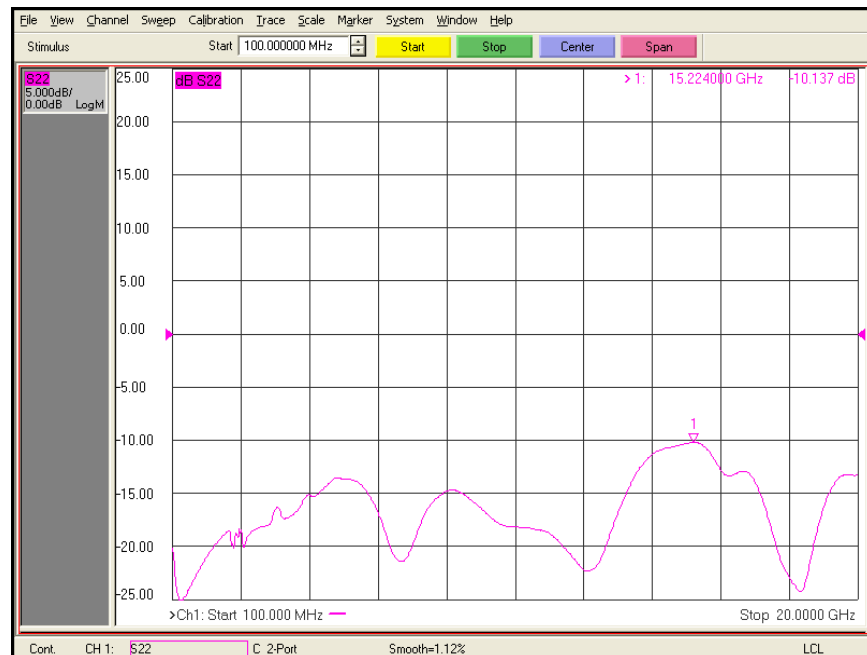
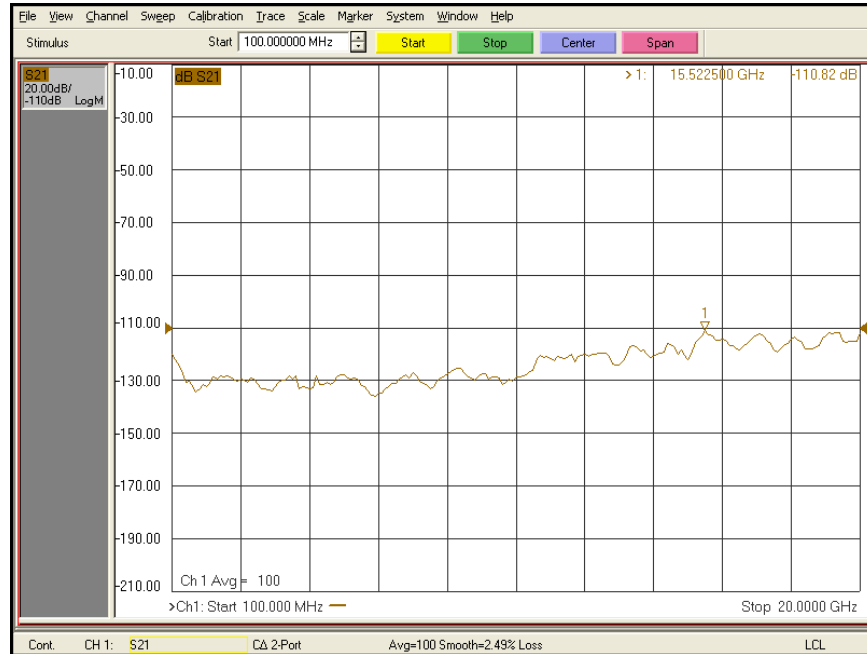
(J1 – J2) Isolation and Termination Return Loss





Typical Characteristics For P4T-0R1G20G-100-T-SFF-ROHS

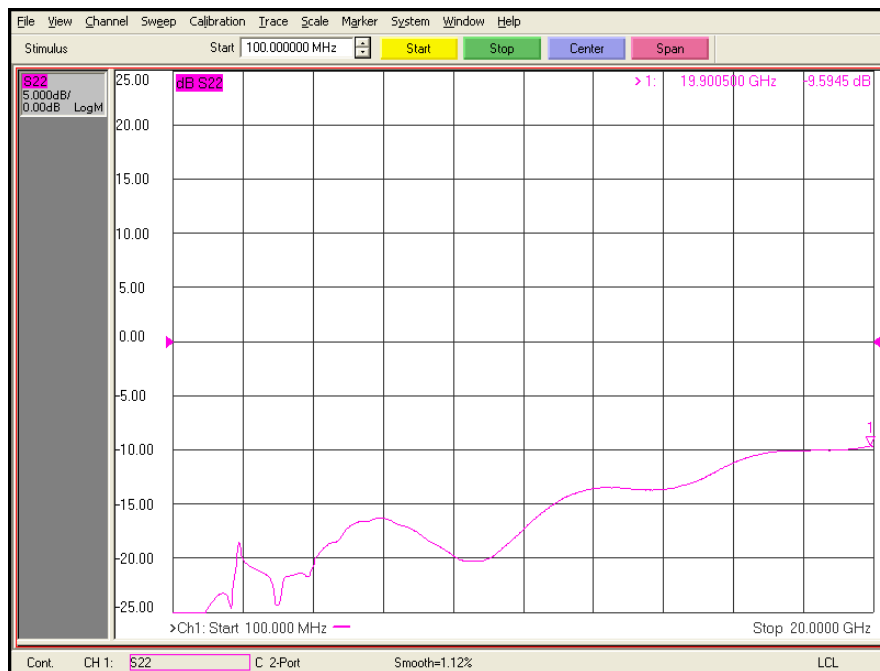
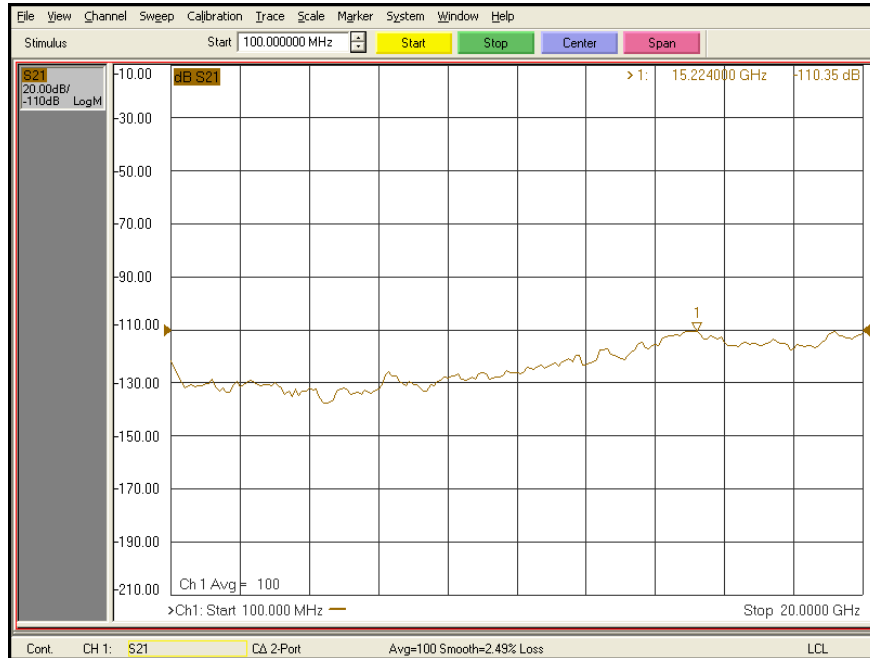
(J1 – J3) Isolation and Termination Return Loss





Typical Characteristics For P4T-0R1G20G-100-T-SFF-ROHS

(J1 – J4) Isolation and Termination Return Loss

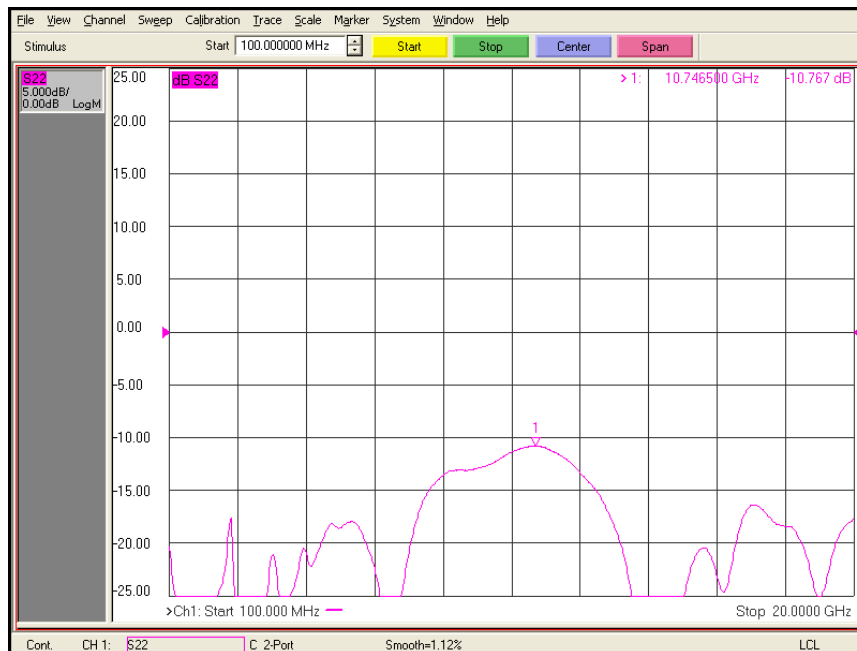
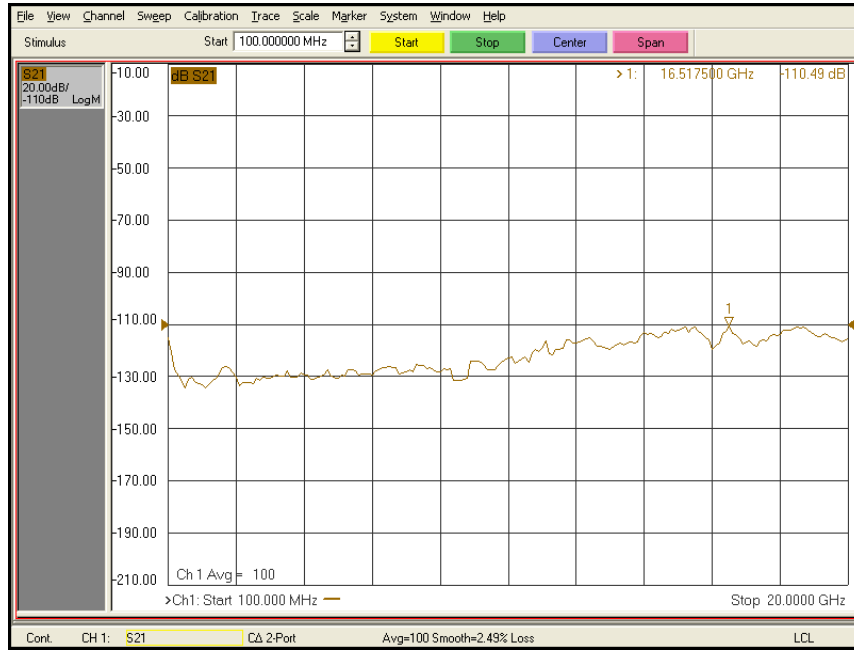


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Typical Characteristics For P4T-0R1G20G-100-T-SFF-ROHS

(J1 – J5) Isolation and Termination Return Loss



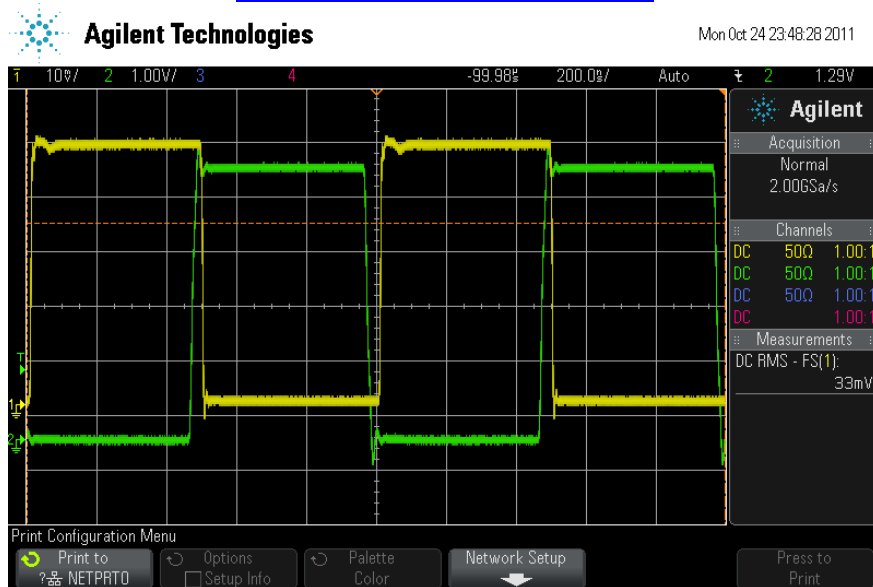
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
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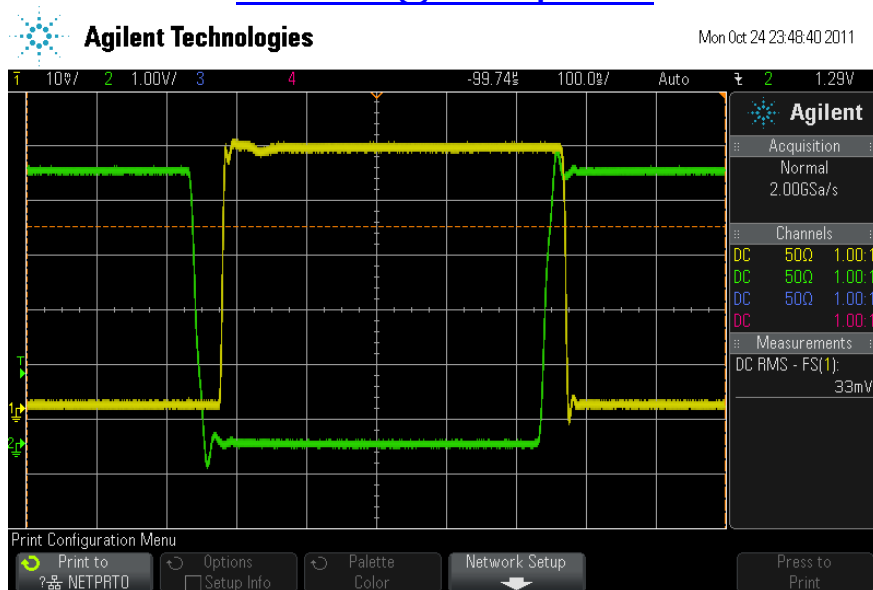
Typical Characteristics For P4T-0R1G20G-100-T-SFF-ROHS

Switching Speed

Full Pulse @ 200ns per Div.



Full Pulse @ 100ns per Div.



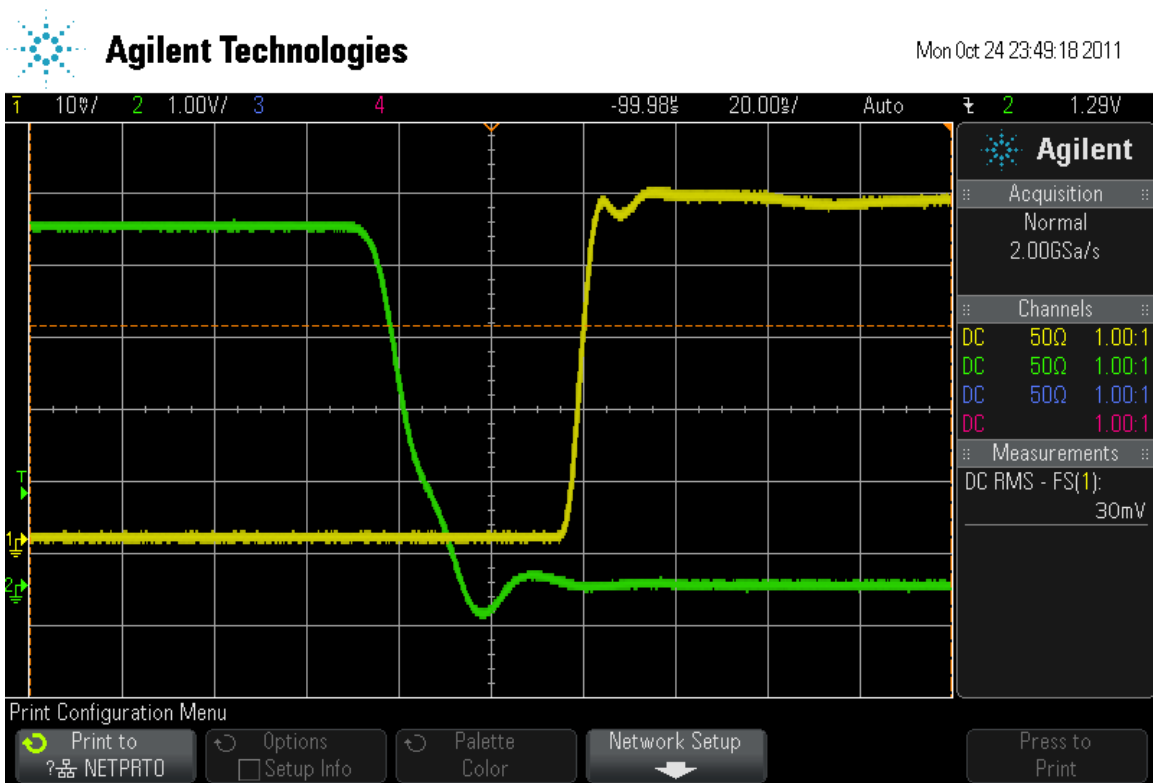
Green Trace: TTL Signal
Yellow Trace: RF Signal



Typical Characteristics For P4T-0R1G20G-100-T-SFF-ROHS

Switching Speed

ON Delay @ 20ns per Div.



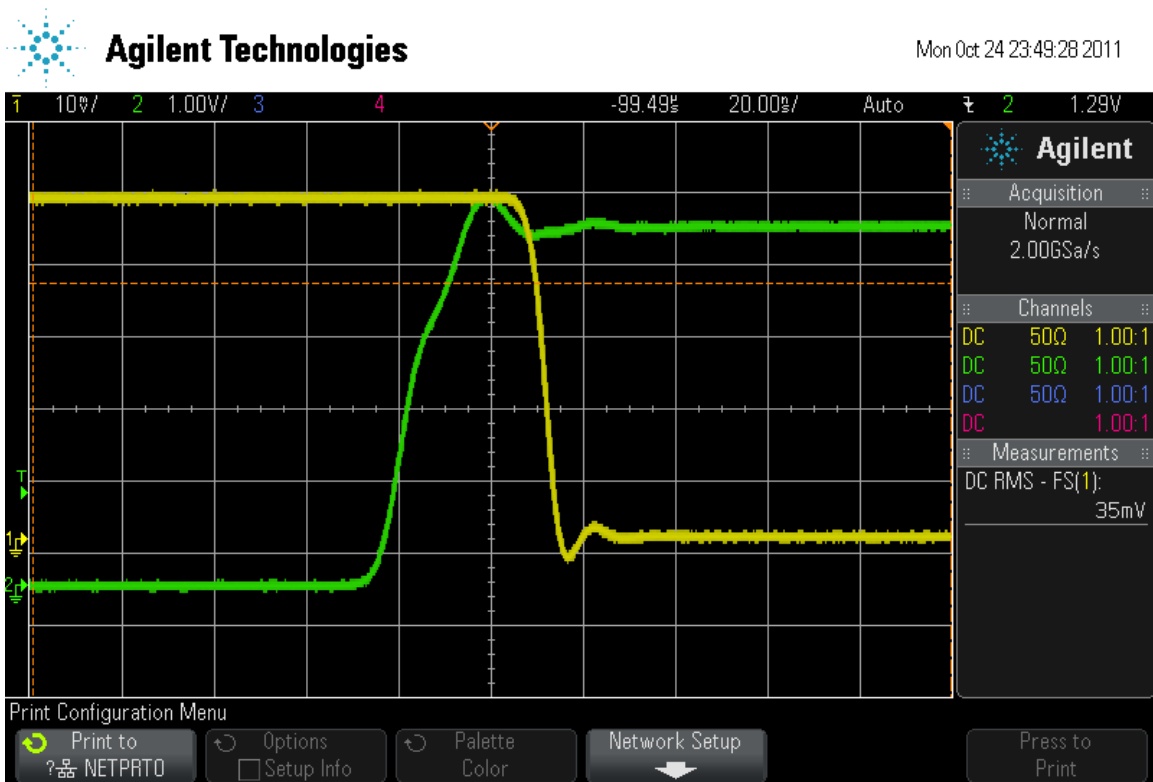
Green Trace: TTL Signal
Yellow Trace: RF Signal



Typical Characteristics For P4T-0R1G20G-100-T-SFF-ROHS

Switching Speed

OFF Delay @ 20ns per Div.



Green Trace: TTL Signal
Yellow Trace: RF Signal