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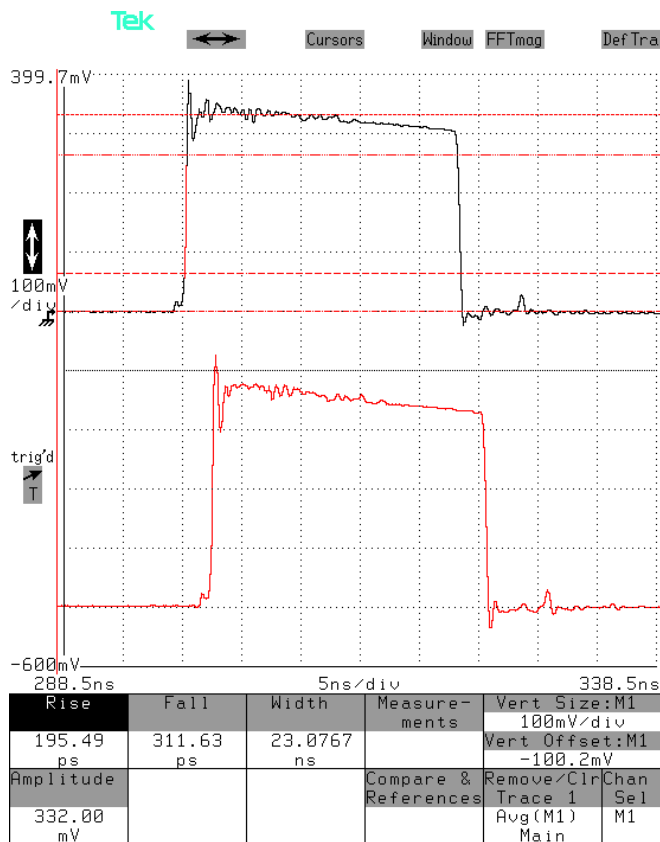
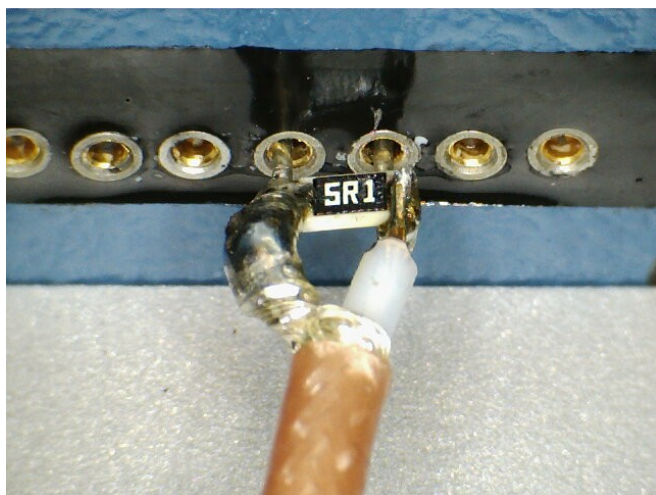
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PERFORMANCE CHECKSHEET

Model: AVX-S1-P1B-T1B
Type: High-Bandwidth Output Module
S.N.: 13208
Date: September 4, 2014

Rise Time and Anode/Cathode Continuity Check

Test method: Short leads are soldered to a 5.1Ω chip resistor. A coaxial cable is soldered across the resistor. The signal lead is inserted into the anode pin socket. The grounded lead is inserted into the cathode pin socket. The total effective resistor is 5.1 Ω || 50 Ω (R_{SCOPE}) = 4.6 Ω.



Top: Voltage measured across the resistor in response to a +40V pulse applied from the AVI-V-2L-P-VTA (S/N 13207) pulse generator. It should be approximately $(+40V / 54.6\Omega) \times 4.6\Omega = +3.4V$, which agrees with the observed waveform. 1V/div (= 100 mV/div × 20 dB), 5 ns/div.

Bottom: "MI" output, approximately +40V / 11. 1V/div (= 100 mV/div × 20 dB), 2 ns/div.