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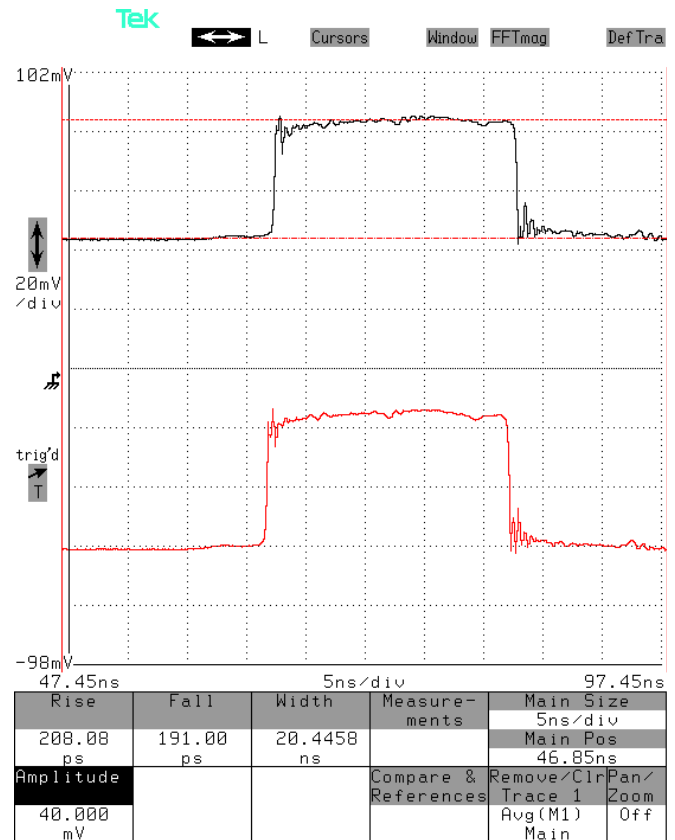
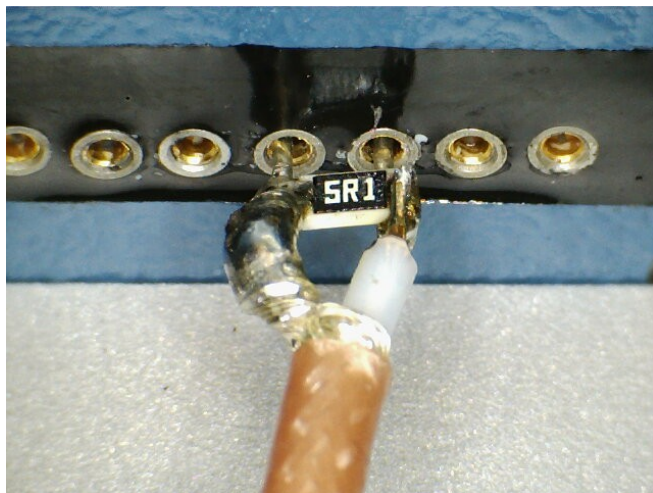
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PERFORMANCE CHECKSHEET

Model: AVX-S1-P1B-T1B
Type: High-Bandwidth Output Module
S.N.: 13059
Date: December 6, 2013

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 waveform: Voltage measured across the resistor in response to a +5V, 20 ns pulse applied from an AV-1030-C pulse generator, and a +10V offset applied to the DC input. It should be approximately $(+50V / 54.6\Omega) \times 4.6\Omega = +0.42V$ in amplitude, with a $(+10V / 104.6\Omega) \times 4.6\Omega = +0.44V$ offset, which agrees with the observed waveform. 200 mV/div (= 20 mV/div × 20 dB), 5 ns/div.

Bottom waveform: “MI” output, approximately +5V / 11. 200 mV/div (= 20 mV/div × 20 dB), 5 ns/div.