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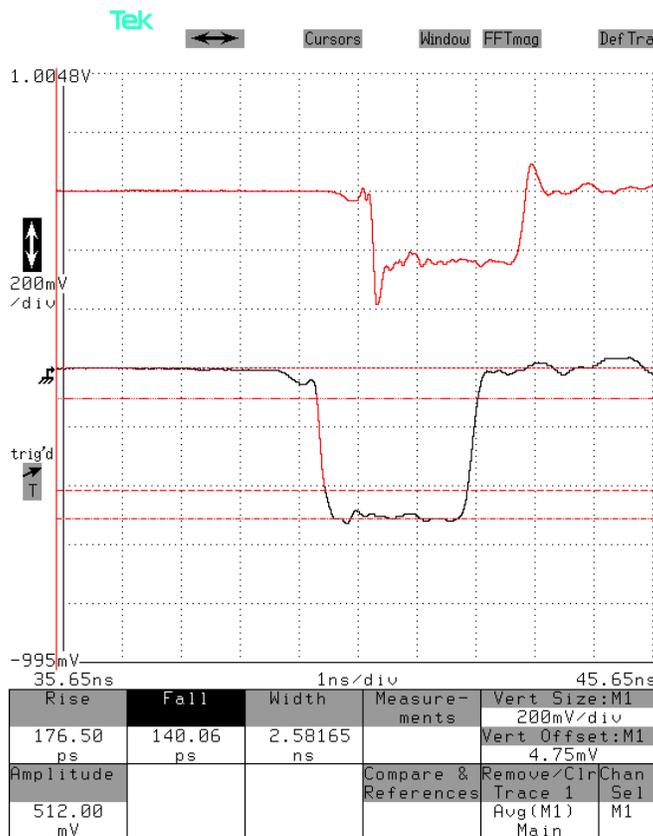
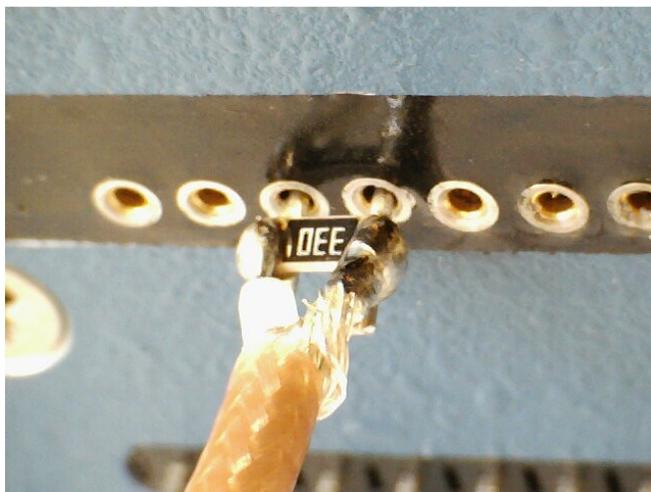
PERFORMANCE CHECKSHEET

Model: AVX-S1-INV-P1C-T1C-ACTA  
Type: High-Bandwidth Output Module  
S.N.: 13069  
Date: September 19, 2013

Rise Time and Anode/Cathode Continuity Check

Test method: Short leads are soldered to a 33Ω chip resistor. A coaxial cable is soldered across the resistor. The signal lead is inserted into the cathode pin socket. The grounded lead is inserted into the anode pin socket. The total effective resistor is 33 Ω || 50 Ω (R<sub>SCOPE</sub>) = 19.9 Ω.

The pulse source is an AVM-2-C operating at +15V, 2.5 ns.



Bottom: "MI" output. 1V/div (100 mV/div × 20 dB). This shows that the pulse amplitude after the inverting transformer is -1.2V×11 = -13.2V, approximately. (There is ~12% loss in the transformer).

Top: Voltage measured across the resistor. It should be ≈ (-13.2V × 19.9Ω / 49.9Ω) = -5.3V, which agrees with the observed waveform. 2V/div (= 200 mV/div × 20 dB), 2 ns/div.