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CANADA K2C 3H5

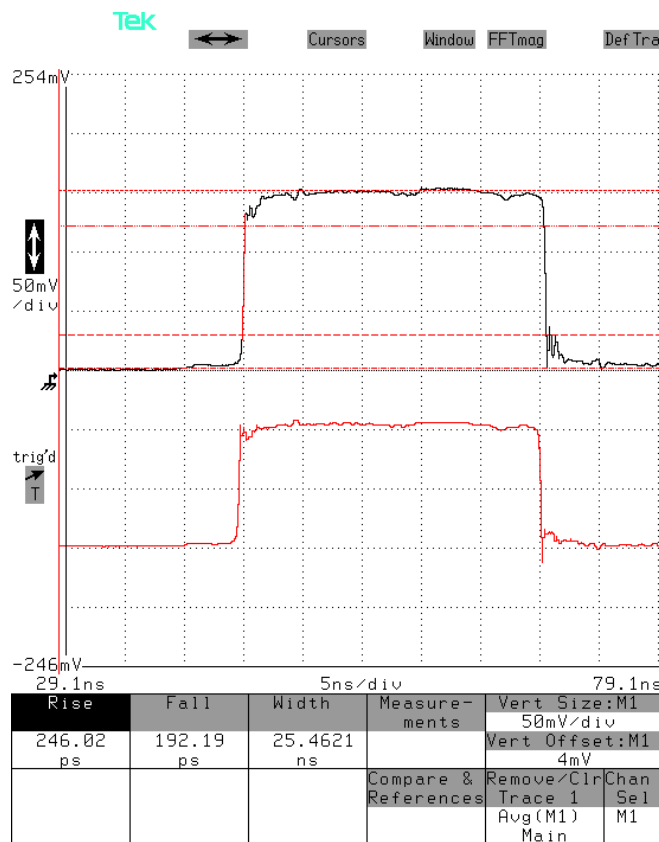
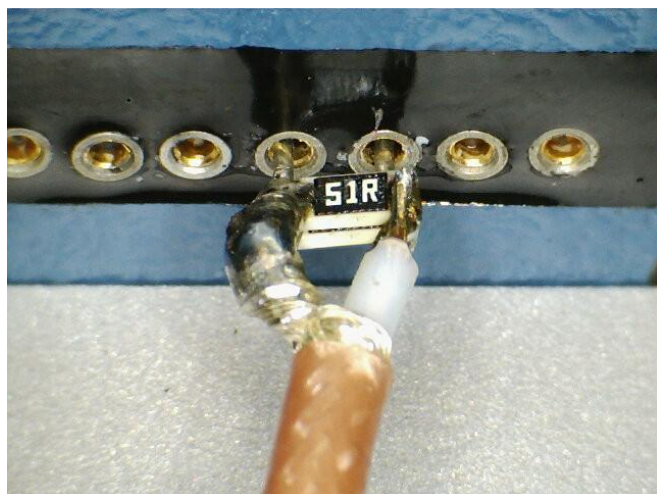
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PERFORMANCE CHECKSHEET

Model: AVX-S1-P1B-T1B-RS33  
Type: High-Bandwidth Output Module  
S.N.: 13722  
Date: May 28, 2018

Rise Time and Anode/Cathode Continuity Check

Test method: Short leads are soldered to two 51Ω chip resistors in parallel. A coaxial cable is soldered across the resistors. 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 51 Ω || 51 Ω || 50 Ω (R<sub>SCOPE</sub>) = 16.9 Ω.



Top: Voltage measured across the resistor in response to a +4.7V pulse applied from an Avtech AV-1030-C pulse generator. It should be approximately  $(+4.7V / (33\Omega + 16.9\Omega)) \times 16.9\Omega = 1.6V$ , which agrees with the observed waveform. 500 mV/div (= 50 mV/div × 20 dB), 5 ns/div.

Bottom: "MI" output, approximately  $+4.7V / 11$ . 200 mV/div, 5 ns/div.