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BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H5

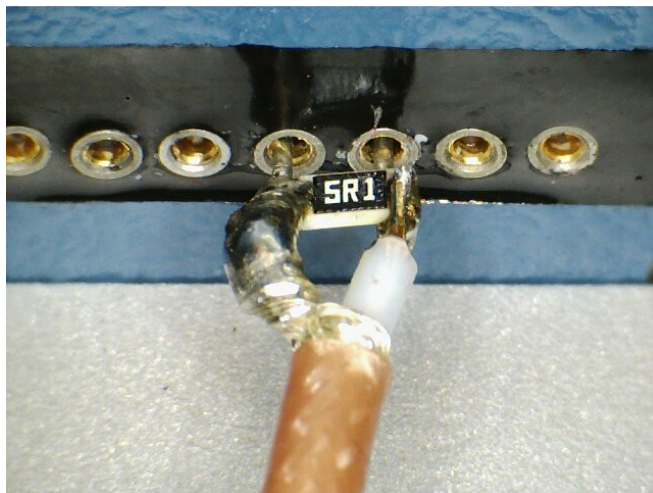
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PERFORMANCE CHECKSHEET

Model: AVX-S1-P1B-T1B
Type: High-Bandwidth Output Module
S.N.: 13176
Date: July 17, 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 +10V, 8 ns pulse applied from an AVPP-1-C pulse generator. It should be approximately $(+10V / 54.6\Omega) \times 4.6\Omega = +0.84V$, which agrees with the observed waveform. 0.5V/div (= 50 mV/div × 20 dB), 2 ns/div.

Bottom: "M1" output, approximately +10V / 11. 0.5V/div (= 50 mV/div × 20 dB), 2 ns/div.