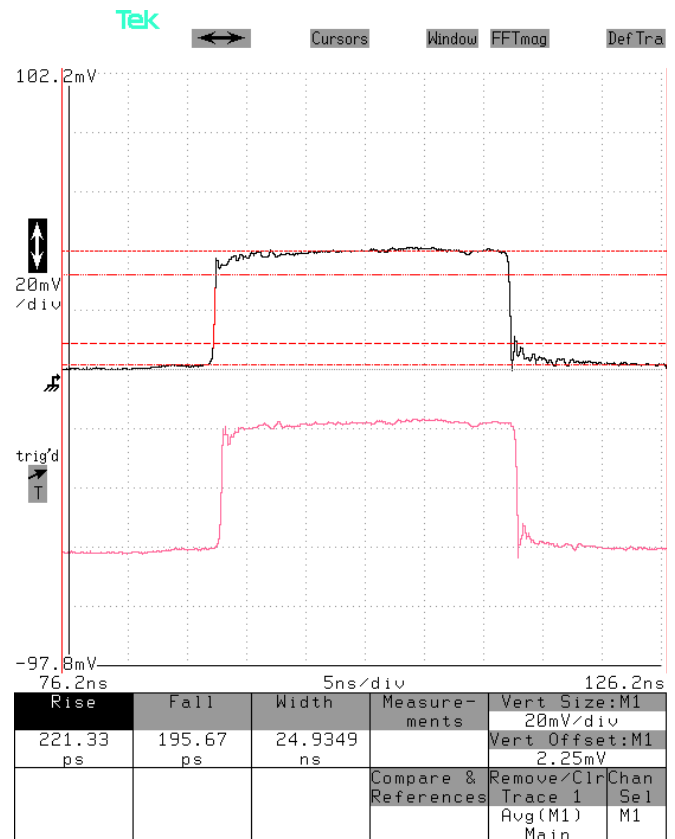
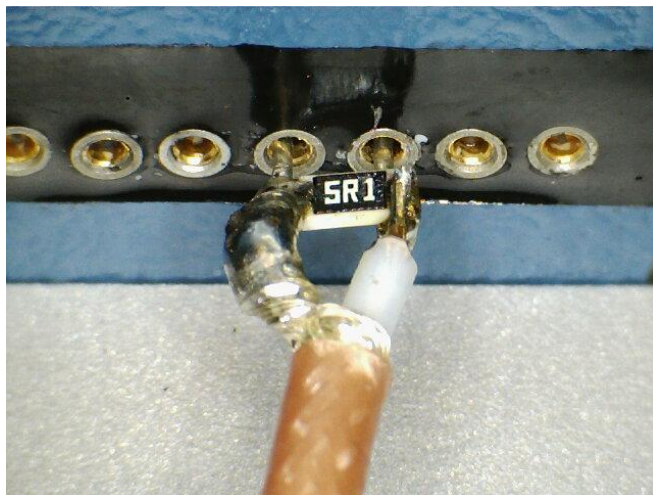


PERFORMANCE CHECKSHEET

Model: AVX-S1-P1B
Type: High-Bandwidth Output Module
S.N.: 14153
Date: July 13, 2021

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 +4.7V pulse applied from an Avtech AV-1030-C pulse generator. It should be approximately $(+4.7V / 54.6\Omega) \times 4.6\Omega = 396\text{ mV}$, which agrees with the observed waveform. 200 mV/div (= 20 mV/div × 20 dB), 5 ns/div.

Bottom: “MI” output, approximately +4.7V / 11. 200 mV/div (= 20 mV/div × 20 dB), 5 ns/div.