



P.O. BOX 265  
OGDENSBURG, NY  
U.S.A. 13669-0265

TEL: 888-670-8729 (USA & Canada) or +1-613-686-6675 (Intl)  
FAX: 800-561-1970 (USA & Canada) or +1-613-686-6679 (Intl)

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

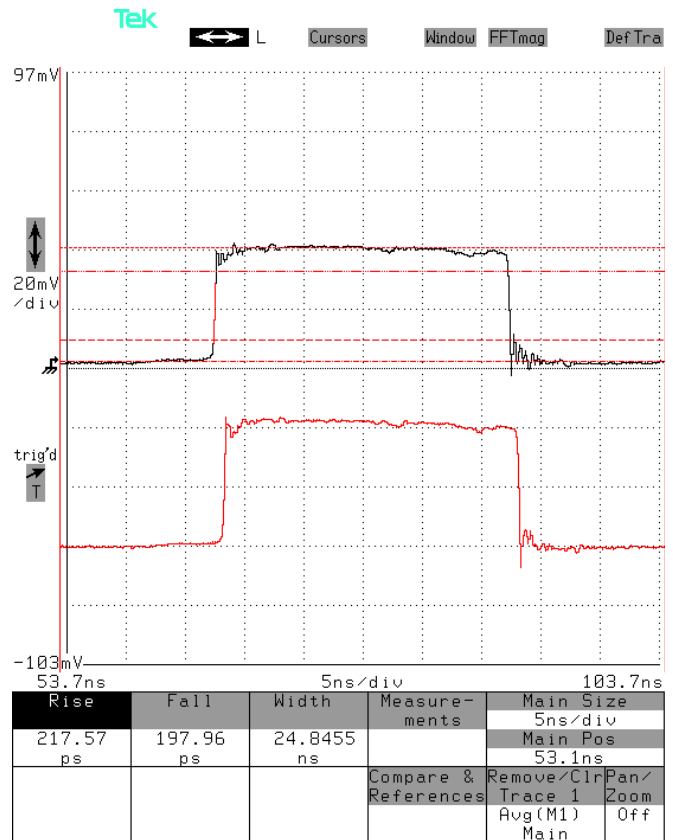
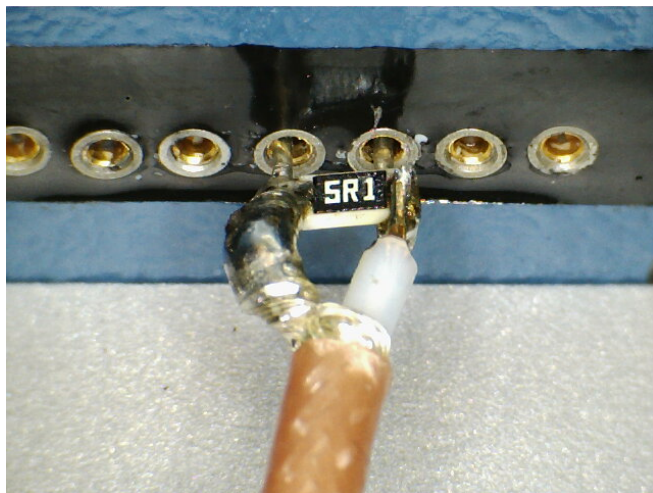
info@avtechpulse.com - http://www.avtechpulse.com/

PERFORMANCE CHECKSHEET

Model: AVX-S1-P1B-T1B  
Type: High-Bandwidth Output Module  
S.N.: 13592  
Date: July 10, 2017

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<sub>SCOPE</sub>) = 4.6 Ω.



Top: Voltage measured across the resistor in response to a +5V pulse applied from an Avtech AV-1030-C pulse generator. It should be approximately  $(+5V / 54.6\Omega) \times 4.6\Omega = 420\text{ mV}$ , which agrees with the observed waveform. 200 mV/div (= 20 mV/div × 20 dB), 5 ns/div.

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