



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

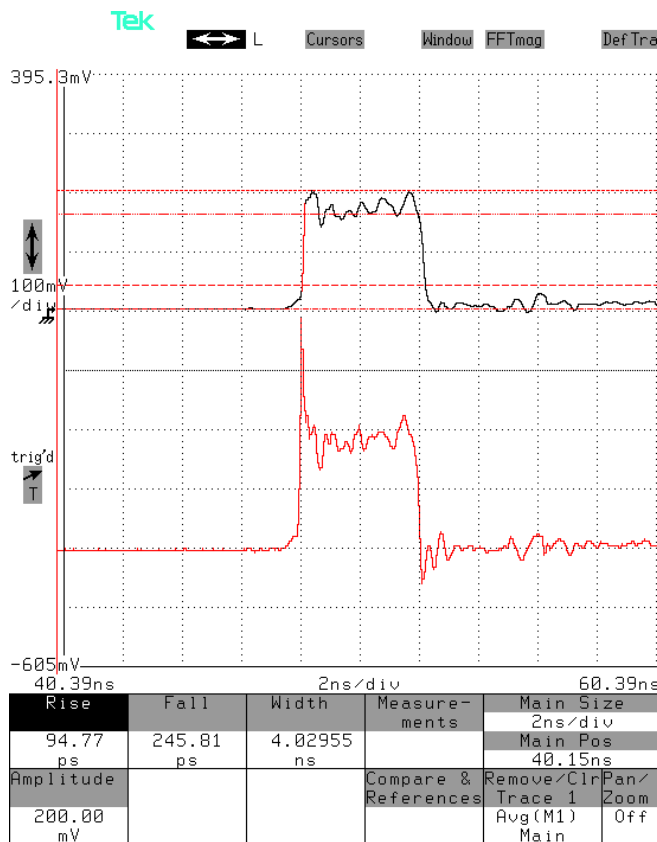
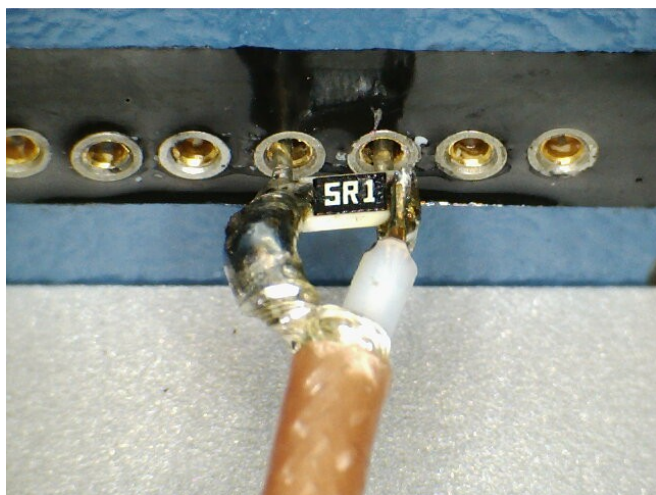
info@avtechpulse.com - http://www.avtechpulse.com/

PERFORMANCE CHECKSHEET

Model: AVX-S1-P1B-T1B
Type: High-Bandwidth Output Module
S.N.: 13059
Date: August 30, 2013

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 +20V, 4 ns pulse applied from an AVM-4-C pulse generator. It should be approximately $(+20V / 54.6\Omega) \times 4.6\Omega = +1.7V$, which agrees with the observed waveform. 1V/div (= 100 mV/div × 20 dB), 2 ns/div.

Bottom: "MI" output, approximately +20V / 11. 1V/div (= 100 mV/div × 20 dB), 2 ns/div.