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NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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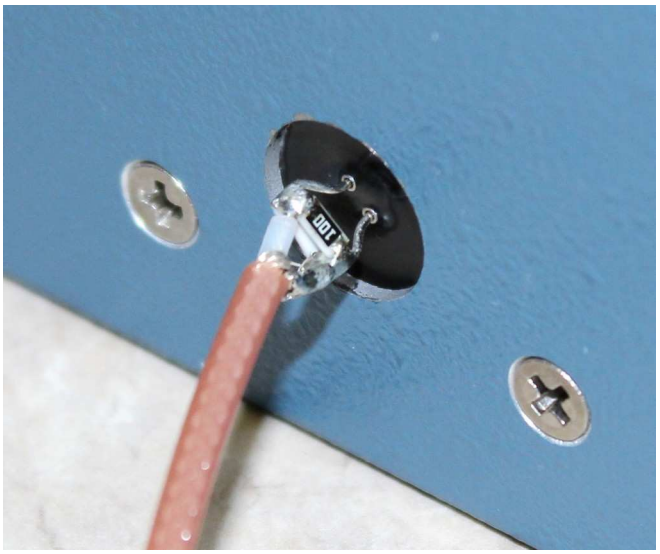
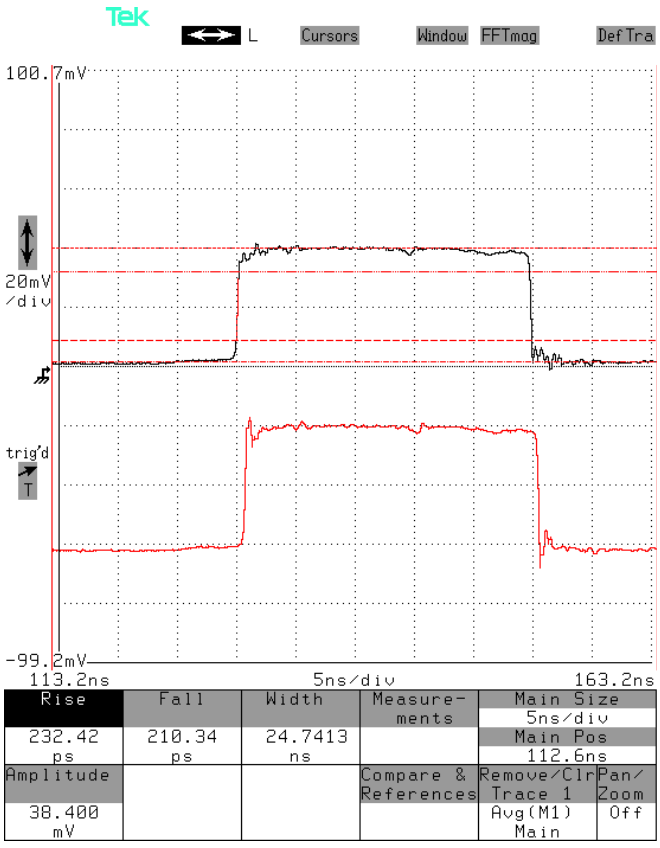
PERFORMANCE CHECKSHEET

Model: AVX-S1-P2-STYLEC66
Type: High-Bandwidth Output Module
S.N.: 13794
Date: October 22, 2018

Rise Time and Anode/Cathode Continuity Check

Test method: Short leads are soldered across two 10Ω chip resistors in parallel. A coaxial cable is soldered across the resistor. The signal lead is inserted into the anode pin socket. The ground lead is inserted into one of the other pin sockets (which are grounded). The total effective resistor is 5 Ω || 50 Ω (R_{SCOPE}) = 4.55 Ω.





Top: Voltage measured across the resistor in response to a +4.8V pulse applied from an Avtech AV-1030-C pulse generator. It should be approximately (+4.8V / 54.55Ω) × 4.55Ω = 400 mV, which agrees with the observed waveform. 200 mV/div (= 20 mV/div × 20 dB), 5 ns/div.

Bottom: “MI” output, approximately +4.8V / 11. 200 mV/div, 5 ns/div.