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PERFORMANCE CHECKSHEET

Model: AVX-S1-P0D-MS1A  
Type: High-Bandwidth Output Module  
S.N.: 13582  
Date: June 19, 2017

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<sub>SCOPE</sub>) = 4.5 Ω.



Pulse source:  
AVO-9RA-B-P0D-P-MS1A,  
S/N 13579.



Top waveform: Voltage across the parallel combination of the 4.5 Ω effective resistance. It should be approximately  $(+20V / 54.5\Omega) \times 4.5\Omega = +1.65V$  in amplitude, which agrees approximately with the observed waveform.

Bottom waveform: "MI" output, approximately +20V / 11.

Both: 1 ns/div, 1V/div (100 mV/div × 20 dB).