

067-1341-00

Risetime Limiter Calibration Fixture

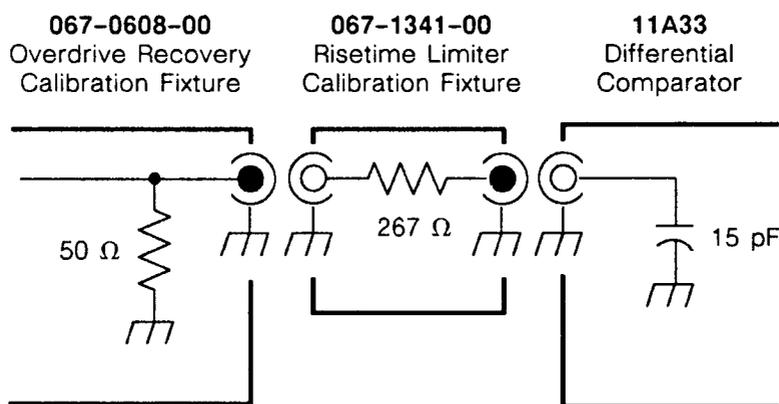
Description

The 067-1341-00 Risetime Limiter Calibration Fixture is used with the 067-0608-00 Overdrive Recovery Calibration Fixture when testing the overdrive recovery capability of the 11A33 Differential Comparator. The 067-1341-00 has no replaceable parts.

Operation

The Risetime Limiter Calibration Fixture limits input signal transition time by adding 267 Ω of resistance in series with the 50 Ω output impedance of the Overdrive Recovery Calibration Fixture. The input time constant, resulting from 317 Ω of combined calibration fixture impedance and 15 pF of 11A33 input capacitance, limits the transition time of input signals to approximately 1 V/ns.

The output of the 067-1341-00 Risetime Limiter Calibration Fixture is connected directly to the input of the 11A33; the output of the 067-0608-00 Overdrive Recovery Calibration Fixture is connected to the input of the Risetime Limiter Calibration Fixture. The following diagram shows the interconnection of the 067-0608-00, 067-1341-00, and 11A33.



Interconnection of the Overdrive Recovery Calibration Fixture, Risetime Limiter Calibration Fixture, and 11A33 Differential Comparator.

Checkout Procedure The Checkout Procedure checks the internal resistance of the 067-1341-00 Risetime Limiter.

Test Equipment Test equipment required to perform the Checkout Procedure is listed in the following table.

Description	Minimum Specification and Use
Digital Multimeter	0.1% Accuracy; 5-digit display. Used to measure the internal resistance of the 067-1341-00.
Test Leads	One lead with a male BNC connector; one with a female BNC; the remaining end of each is compatible with the Digital Multimeter connectors. Used to connect the Digital Multi-meter connectors to the 067-1341-00 connectors.

- Procedure**
1. Connect the Digital Multimeter to the input and output connectors of the 067-1341-00 Risetime Limiter with the test leads.
 2. Set the Digital Multimeter to the range providing maximum accuracy for measurement of 267Ω .
 3. Check the Digital Multimeter for a reading of $267 \Omega \pm 1\%$.