

# 067-1341-00

## Risetime Limiter Calibration Fixture

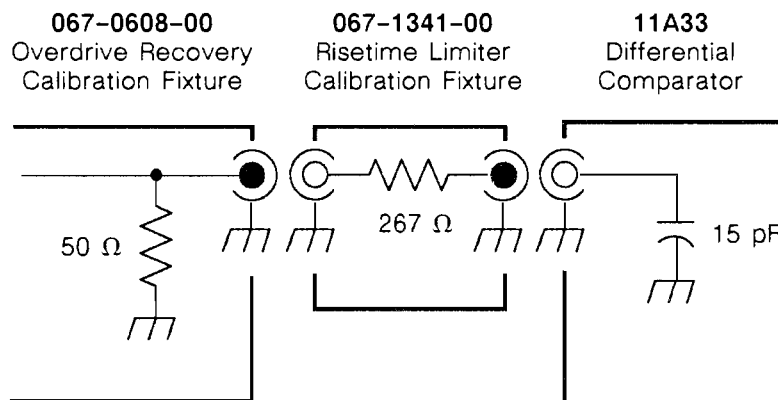
### Description

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  $267\ \Omega$  of resistance in series with the  $50\ \Omega$  output impedance of the Overdrive Recovery Calibration Fixture. The input time constant, resulting from  $317\ \Omega$  of combined calibration fixture impedance and  $15\ \text{pF}$  of 11A33 input capacitance, limits the transition time of input signals to approximately  $1\ \text{V/ns}$ .

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 Multimeter 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 267  $\Omega$ .
3. Check the Digital Multimeter for a reading of 267  $\Omega \pm 1\%$ .