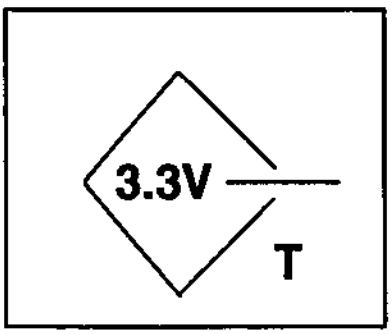
3.3 Volt SCSI Termination

- **3.3 Volts doesn't work with a diode Drop.**
  - 3.3 Volts minus tolerance minus diode drop is less than 3.0 Volts.
  - 3.3 Volt systems should connect to 5 Volt SCSI termpwr requiring a regulator for 3.0 to 5.25 Volt operation.
- **Unidirectional Circuit Breaker Required for less than 0.2 Volt drop.**
- **SCSI-2 Alternative Optional 2.7 V, 0.3 Volt maximum drop out regulator with 110 ohm resistors meet SCSI-3 24 mA at 0.2V.**

3.3 Volt Basics

- **3.3 Volt Requires 3.0 Volt terminators at the far end or power from an other device.**
  - **Standard termination requires at least 4.0 Volts.**
  - **Not all 3.3 Volt systems can provide power for the far end terminator.**
  - **3.3 Volt Terminators must work to 5.25 Volts.**
  - **Special Icons showing users the limitations.**



INTEGRATED CIRCUITS
UNITRODE

Low Power Mode

- **Battery systems with short buses do not need standard termination currents.**
  - **Buses less than 0.3 meters within an enclosure.**
  - **Reduce currents down to 1mA.**
  - **Switch to normal termination when a cable is attached.**
- **Battery systems often require termpwr to be supplied externally.**
  - **Termpwr could be from a 5.25 Volt source, which requires all 3.3 Volt systems to run with 3.0 to 5.25 Volt Termpwr.**