LM-80-08 Energy Star Testing Compliance with SpikeSafe

- **Reliable, easily supports 6,000 hours of testing at temperature**
- **In-situ temperature monitoring**
- **0.1% Accurate current regulation to +/-0.1%**
- **Temperature Failsafe shutdown**
- **Oven synchronization with triggering**
- **Efficient design reduces energy cost**
- **Modular – supports small or large test lots**
- **Audit trail data logging**

LM-80-08 System
8 channels 200V/5A will support 320 5V DUTs

LM-80-08 System
256 channels 200V/5A will support 10,240 5V DUTs

Overview

To be Energy Star compliant, LEDs must comply with at least 6,000 hours of testing at temperature per the LM-80-08 specification. Vektrex's SpikeSafe-based LM-80 system easily meets the requirements in an off the shelf system.

0.1% Accurate current regulation to +/- 0.1%

SpikeSafe output current regulation is 0.2% typical. Measured current is +/- 0.5% typical.

Data Logging

STARS (SpikeSafe Test and Reliability Software) application logs current per device, voltage, source failures and temperature in .csv format providing input for your LM-80-08 reports.

Oven Synchronization with Trigger

Energy Star compliant devices must be tested at 85C, 55C, plus one other manufacturer specified temperature. Oven synchronization and hot swap of reliability load boards allows elapsed time measured only when sources are energized. Failsafe monitoring shuts down power if temperature exceeds user defined limits.

In-situ Temperature Monitoring and Failsafe

User configured in-situ temperature points provide case and ambient temperature. User defined temperature limits provide failsafe mechanism shutting down power to devices if temperature exceeds user defined limits.

Color and Light Output

Ask for information on Vektrex's color, light output measurement stations that meet LM-79 requirements.

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For more information see www.vektrex.com