

SVxx50xAx SCR Discrete Thyristor Series

AEC-Q101 Qualified, 50 A High Junction Temperature

Description

The SVxx50xAx series are AEC-Q101 qualified SCRs especially designed for automotive industry applications. This SCR thyristors series offers 600 V peak off-state voltage, and the rated gate trigger current range is 6 mA up to a maximum of 15 mA. The thyristors are available in isolated and non-isolated packages. A notch on one pin indicates the package is non-isolated.

Technical resources *(Click on below icons to learn more)*



Series Page



Datasheet



Tech Info



Benefits

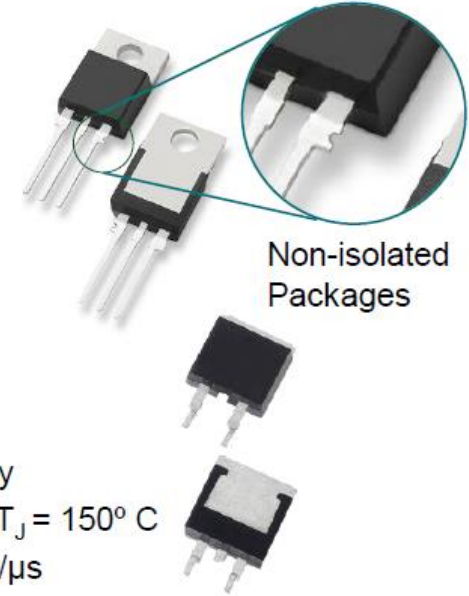
- Good thermal performance
- Enable high temperature operation @ 50 A
- Prevents false-triggering caused by electrical fast transient across terminals in AC mains
- High inrush current capability

Features

- Innovative clip die-attach assembly
- Maximum Junction Temperature: $T_J = 150^\circ \text{C}$
- dv/dt noise immunity up to 1000 V/ μs
- di/dt capability up to 100 A/ μs

Markets/Applications

- Rectifier and voltage regulator
- AC solid-state switch
- Inrush current limit circuit
- Overvoltage crowbar protection



Non-isolated Packages

Source: www.littelfuse.com

Do not hesitate to contact us

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