AEC-Q101 Qualified Discrete Thyristor Series SJxx32xxA and SJxx40xxA

Description

The SJxx32xxA and SJxx40xxA series are AEC-Q101 qualified SCRs especially designed for Automotive Industry applications.

Non-isolated packages are marked by a notch on one pin.

This new 600V series of devices offers current ratings of I_{TRMS} = 20A, 25A, 32A and 40A. Two different technological options are available, optimized for either low gate current requirement down to 6mA or high dv/dt-immunity.

Technical resources:









Series Page Datas

SJxx32xxA Datasheet

SJxx32xxA Datasheet

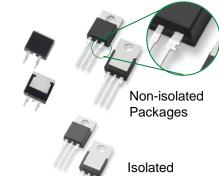
Tech Info





Benefits

- High inrush current capability
- Simplified thermal management
- Higher power density designs
- Simplified gate driver design
- Improved dv/dt-immunity



Package

Features

- Innovative clip die-attach assembly
- Internally isolated package, UL recognized for V_{iso}=2500V_{rms}
- Highest current rating in TO220-packaged SCRs
- 6mA gate current version
- 35mA gate current version

Markets/Applications

- Controlled Rectifiers
- AC Solid-state Switch
- HV-Capacitor Discharge circuits
- White goods

