

# 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



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

### 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

