

## SURA8120

### Power Rectifier, Ultra-Fast Recovery, 1 A, 150 V

The Ultrafast Power Rectifier is ideally suited for high voltage, high frequency rectification or as free wheeling and protection diodes in surface mount applications, where compact size and weight are critical to the system.

- Small Compact Surface Mountable Package with J-Bend Leads
- Rectangular Package for Automated Handling
- High Temperature Glass Passivated Junction
- Low Forward Voltage Drop (0.71 Volts Max @ 1.0 A, T<sub>J</sub> = 150°C)
- Mechanical Characteristics:
  - Case: Epoxy, Molded
  - Weight: 70 mg (approximately)
  - Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable
  - Lead and Mounting Surface Temperature for Soldering Purposes: 260°C Max. for 10 Seconds
  - Shipped in 12 mm Tape and Reel, 5000 units per reel
  - Polarity: Polarity Band Indicates Cathode Lead
- For more features, see the data sheet
- Power Conversion Circuit
- Reverse Battery Protection
- Gate Driving Circuit
- Protection and Free-Wheeling
- AEC-Q101 Qualified and PPAP Capable
- General Converters
- Lighting
- Gasoline Direct Injection