



## Product Overview

### MURHD560: Power Rectifier, Ultra-Fast Recovery, 5 A, 600 V

For complete documentation, see the data sheet

#### Product Description

This Ultrafast Rectifier is designed for use in switching power supplies, inverters, and as free wheeling diodes.

#### Features

- Ultrafast 30 ns Recovery Times
  - 175°C Operating Junction Temperature
  - High Temperature Glass Passivated Junction
  - High Voltage Capability to 600 V
  - These are Pb-Free Devices
- Mechanical Characteristics:
- Case: Epoxy, Molded
  - Epoxy Meets UL 94 V-0 @ 0.125 in
  - Weight: 0.4 g (Approximately)
  - Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable
  - Lead Temperature for Soldering Purposes: 260°C Max. for 10 Seconds

#### Applications

- Power Supplies
- Inverters
- Free Wheeling Diodes

#### End Products

- Automotive Head Lamps and ECU

#### Part Electrical Specifications

Product	Compliance	Status	Type	$I_{O(rec)}$ Max (A)	$t_{rr}$ Max (ns)	$V_{RRM}$ Max (V)	$V_{FM}$ Max (V)	$I_{FSM}$ Max (A)	$I_R$ Max (mA)	Package Type
MURHD560T4G	Pb-free Halide free	Active	Ultrafast	5	30	600	2.7	50	0.01	DPAK-3
SURHD8560T4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Ultrafast	5	30	600	2.7	50	0.01	DPAK-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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