



Product Overview

MURHD560W1: 600 V, 5.0 A Ultrafast Rectifier

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
MURHD560W1T4G	Pb-free Halide free	Active	Ultrafast	5	30	600	2.7	50	0.01	DPAK-3
SURHD8560W1T4G	AEC Qualified PPAP Capable Pb-free Halide free	Active		5	30	600	2.7	50	0.01	DPAK-3

For more information please contact your local sales support at www.onsemi.com

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