

## Product Overview

### RHRG3060: 30A, 600V, Hyperfast Diode

For complete documentation, see the data sheet.

The RHRG3060 is a hyperfast diode with soft recovery characteristics. It has the half recovery time of ultrafast diodes and is silicon nitride passivated ionimplanted epitaxial planar construction. These devices are intended to be used as freewheeling/ clamping diodes and diodes in a variety of switching power supplies and other power switching applications. Their low stored charge and hyperfast soft recovery minimize ringing and electrical noise in many power switching circuits reducing power loss in the switching transistors.

### Features

- Hyperfast recovery  $T_{rr} = 45\text{ns}$  (@ $I_F = 30\text{A}$ )
- Max Forward Voltage,  $V_F = 2.1\text{V}$  (@  $T_C = 25^\circ\text{C}$ )
- 600V Reverse Voltage and High Reliability
- Avalanche Energy Rated
- RoHS compliant

### Applications

- AC-DC Merchant Power Supply - Servers & Workstations

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	$I_{O(\text{rec})}$ Max (A)	$t_{rr}$ Max (ns)	$V_{RRM}$ Max (V)	$V_{FM}$ Max (V)	$I_{FSM}$ Max (A)	$I_R$ Max (mA)	Package Type
RHRG3060	1.2233	Pb-free Halide free non AEC-Q and PPAP	Active	Single	30	45	600	2.1	325	0.25	TO-247-2

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

Created on: 1/17/2021