

# RJU36B2WDPK-M0

Dual Diode  
Ultra Fast Recovery Diode

R07DS0668EJ0100  
Rev.1.00  
Mar 01, 2012

## Features

- Ultra fast reverse recovery time:  $t_{rr} = 40$  ns typ. (at  $I_F = 20$  A,  $di/dt = 100$  A/ $\mu$ s)
- Low forward voltage:  $V_F = 1.1$  V typ. (at  $I_F = 20$  A)
- Low reverse current:  $I_R = 1$   $\mu$ A max. (at  $V_R = 360$  V)

## Outline

RENESAS Package code: PRSS0004ZH-A  
(Package name: TO-3PSG)

1. Anode  
2. Cathode  
3. Anode  
4. Cathode

## Absolute Maximum Ratings

( $T_a = 25^\circ\text{C}$ )

Item	Symbol	Ratings	Unit	
Maximum reverse voltage	$V_{RM}$	360	V	
Continuous forward current	$T_C = 25^\circ\text{C}$	$I_F^{\text{Note}}$	20/40	A
	$T_C = 100^\circ\text{C}$	$I_F^{\text{Note}}$	10/20	A
Peak surge forward current	$I_{FSM}^{\text{Note}}$	80/160	A	
Junction to case thermal resistance	$\theta_{j-cd}$	2.4	$^\circ\text{C}/\text{W}$	
Junction temperature	$T_j$	150	$^\circ\text{C}$	
Storage temperature	$T_{stg}$	-55 to +150	$^\circ\text{C}$	

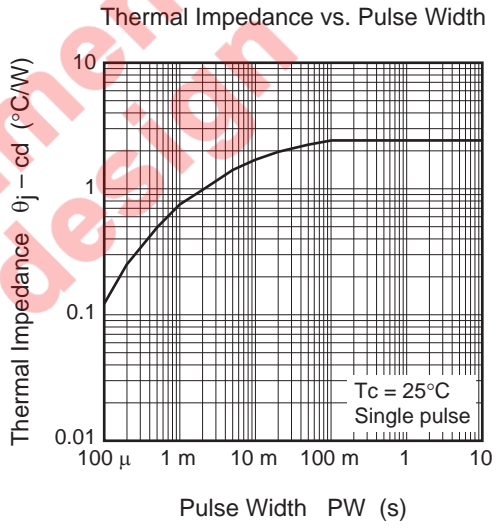
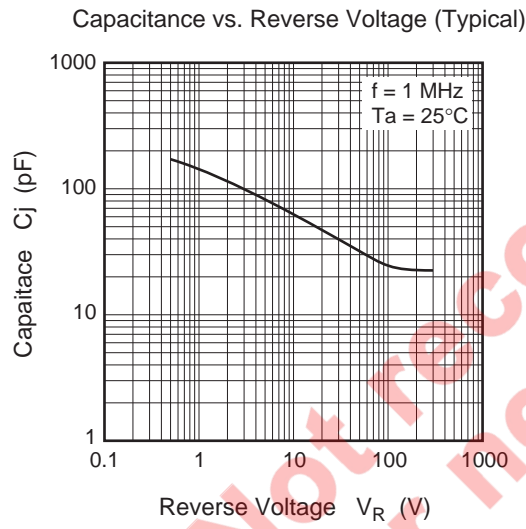
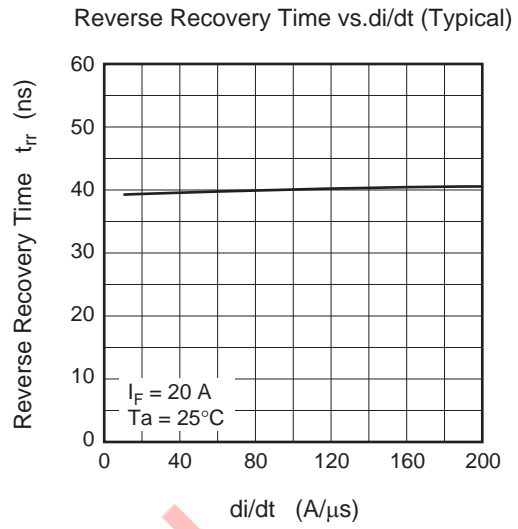
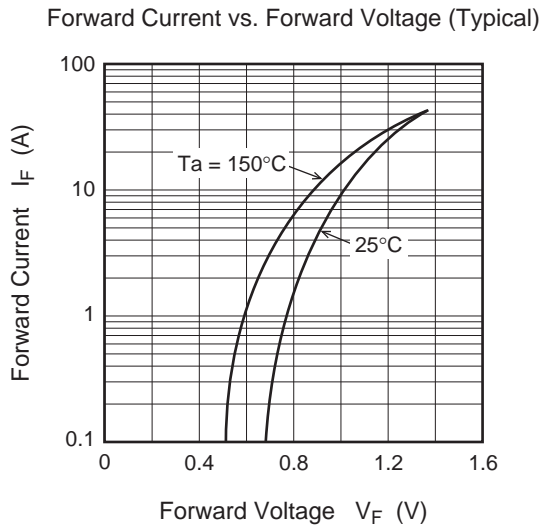
Note: Per leg/device

## Electrical Characteristics

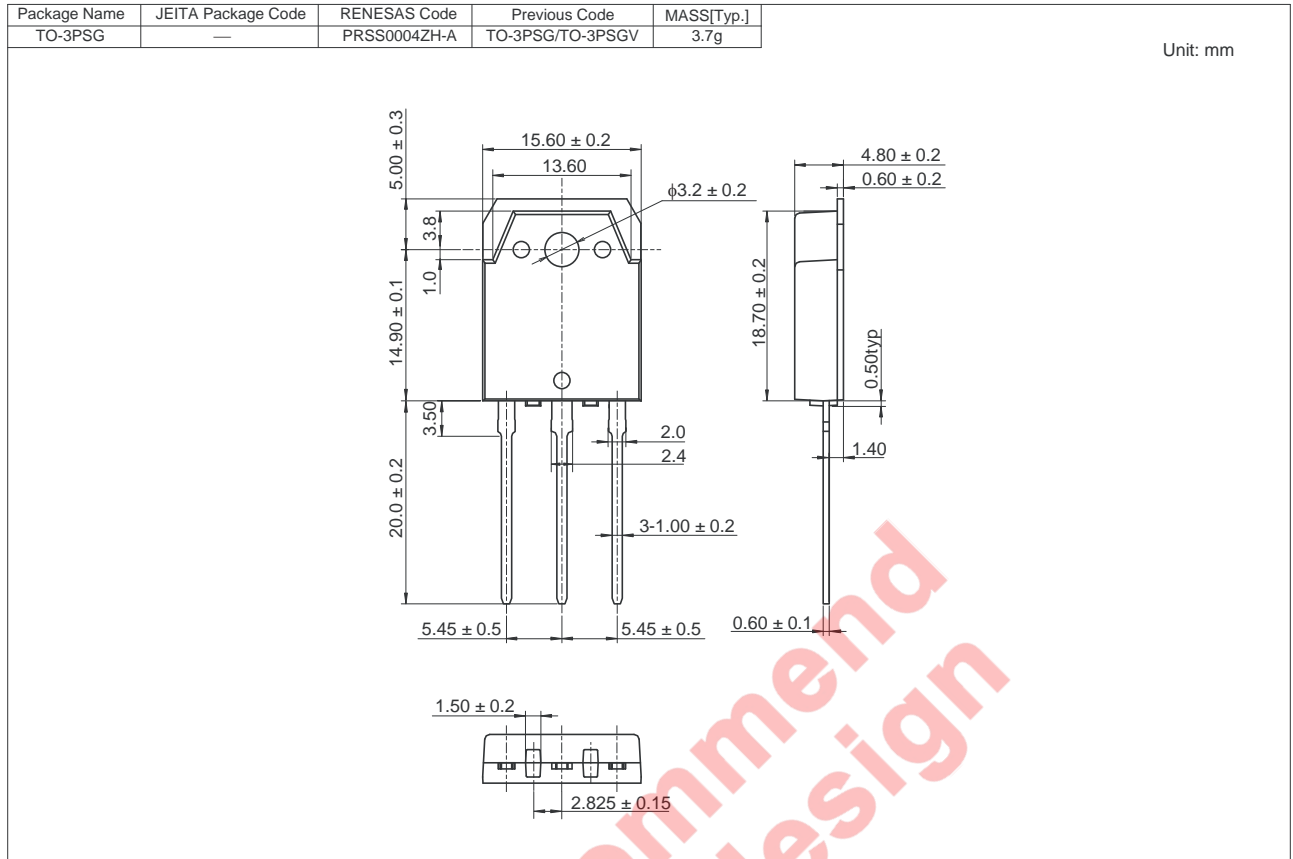
( $T_a = 25^\circ\text{C}$ )

Item	Symbol	Min	Typ	Max	Unit	Test conditions
Forward Voltage	$V_F$	—	1.1	1.5	V	$I_F = 20$ A
Reverse current	$I_R$	—	—	1	$\mu\text{A}$	$V_R = 360$ V
Reverse Recovery Time	$t_{rr}$	—	40	—	ns	$I_F = 20$ A, $di/dt = 100$ A/ $\mu$ s

Main Characteristics



### Package Dimensions



### Ordering Information

Orderable Part No.	Quantity	Shipping Container
RJU36B2WDPK-M0#T0	360 pcs	Box (Tube)

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