

# RJU60C2SDPD

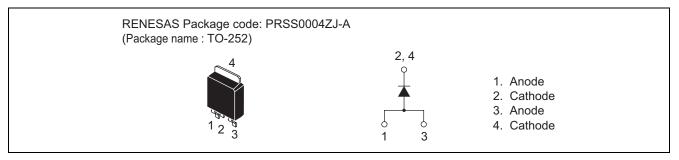
# Single Diode Fast Recovery Diode

R07DS0373EJ0100 Rev.1.00 Apr 26, 2011

#### Features

- Fast reverse recovery time:  $t_{rr} = 70$  ns typ. (at  $I_F = 5$  A, di/dt = 100 A/µs)
- Low forward voltage:  $V_F = 1.4$  V typ. (at  $I_F = 15$  A)
- Low reverse current:  $I_R = 1 \ \mu A \ max.$  (at  $V_R = 600 \ V$ )

### Outline



## **Absolute Maximum Ratings**

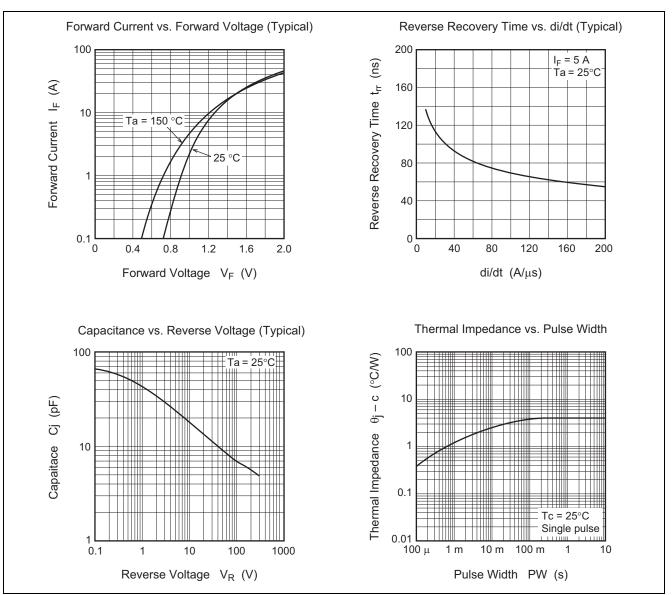
				$(Ta = 25^{\circ}C)$
Item		Symbol	Ratings	Unit
Maximum reverse voltage		V <sub>RM</sub>	600	V
Average rectified forward current		lo	5	А
Continuous forward current	Tc = 25°C	I <sub>F</sub>	15	А
	Tc = 100°C	IF	8	А
Peak surge forward current		I <sub>FSM</sub>	60	А
Junction to case thermal resistance		θj-cd	4.0	°C/W
Junction temperature		Tj	150	°C
Storage temperature		Tstg	-55 to +150	°C

### **Electrical Characteristics**

 $(Ta = 25^{\circ}C)$ 

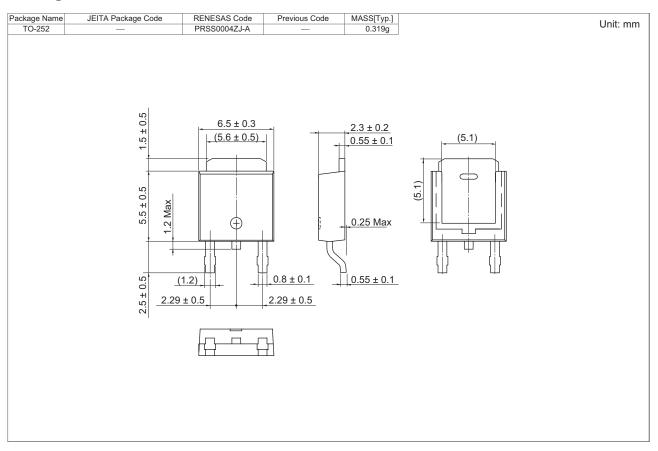
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward Voltage	VF		1.4	2.0	V	I <sub>F</sub> = 15 A
Reverse current	I <sub>R</sub>	_		1	μΑ	V <sub>R</sub> = 600 V
Reverse Recovery Time	t <sub>rr</sub>		70	_	ns	I <sub>F</sub> = 5 A, di/dt = 100 A/μs

#### **Main Characteristics**





#### **Package Dimensions**



### **Ordering Information**

Orderable Part Number	Quantity	Shipping Container
RJU60C2SDPD-E0-J2	3000 pcs	Taping



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