

RJU60C1SDPD

Single Diode Fast Recovery Diode R07DS0372EJ0100 Rev.1.00 Apr 26, 2011

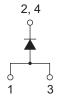
Features

- Fast reverse recovery time: $t_{rr} = 60$ ns typ. (at $I_F = 3$ A, di/dt = 100 A/ μ s)
- Low forward voltage: $V_F = 1.4 \text{ V}$ typ. (at $I_F = 5 \text{ A}$)
- Low reverse current: $I_R = 1 \mu A \text{ max.}$ (at $V_R = 600 \text{ V}$)

Outline

RENESAS Package code: PRSS0004ZJ-A (Package name : TO-252)





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

Absolute Maximum Ratings

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

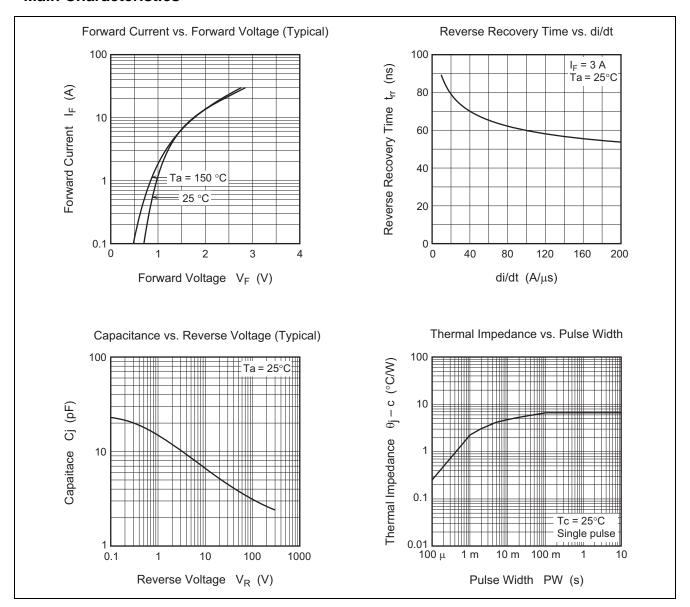
Item		Symbol	Ratings	Unit
Maximum reverse voltage		V_{RM}	600	V
Average rectified forward curre	ent	Io	3	А
Continuous forward current	Tc = 25°C	I _F	5	А
	Tc = 100°C	I _F	3	А
Peak surge forward current	•	I _{FSM}	36	А
Junction to case thermal resis	tance	θj-cd	6.6	°C/W
Junction temperature		Tj	150	°C
Storage temperature		Tstg	-55 to +150	°C

Electrical Characteristics

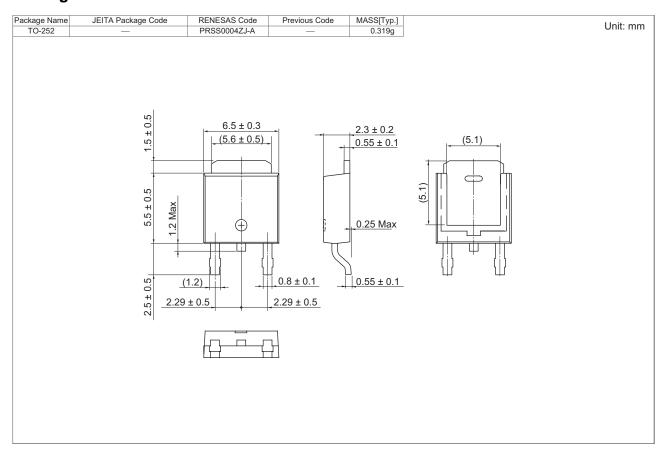
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward Voltage	V_{F}		1.4	2.0	V	I _F = 5 A
Reverse current	I_R	_	_	1	μΑ	V _R = 600 V
Reverse Recovery Time	t _{rr}	_	60	_	ns	I _F = 3 A, di/dt = 100 A/μs

Main Characteristics



Package Dimensions



Ordering Information

Orderable Part Number	Quantity	Shipping Container
RJU60C1SDPD-E0-J2	3000 pcs	Taping

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