

RJU60C2SDPD

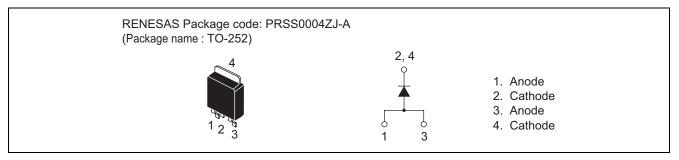
Single Diode Fast Recovery Diode

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

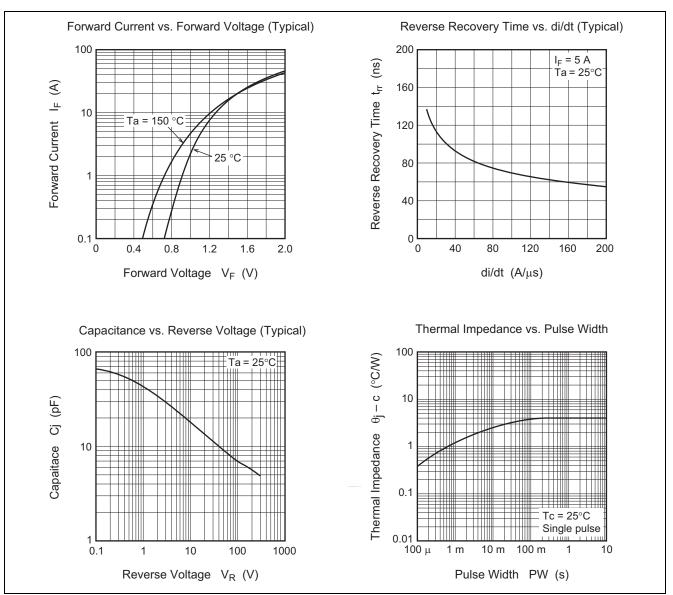
				$(Ta = 25^{\circ}C)$
Item		Symbol	Ratings	Unit
Maximum reverse voltage		V _{RM}	600	V
Average rectified forward current		lo	5	А
Continuous forward current	Tc = 25°C	IF	15	А
	Tc = 100°C	IF	8	А
Peak surge forward current		I _{FSM}	60	А
Junction to case thermal resistance		θj-cd	4.0	°C/W
Junction temperature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

Electrical Characteristics

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

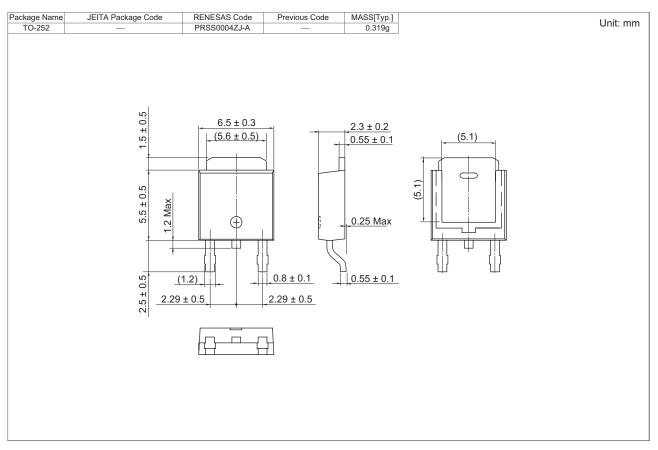
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward Voltage	VF	_	1.4	2.0	V	I _F = 15 A
Reverse current	I _R	—		1	μΑ	V _R = 600 V
Reverse Recovery Time	t _{rr}	_	70	_	ns	$I_F = 5 \text{ A}, \text{ di/dt} = 100 \text{ A/}\mu\text{s}$

Main Characteristics





Package Dimensions



Ordering Information

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



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