

RJU60C3SDPD

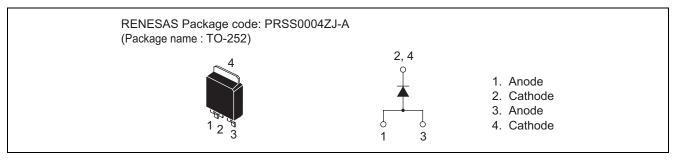
Single Diode Fast Recovery Diode

R07DS0375EJ0100 Rev.1.00 Apr 26, 2011

Features

- Fast reverse recovery time: $t_{rr} = 90$ ns typ. (at $I_F = 10$ A, di/dt = 100 A/µs)
- Low forward voltage: $V_F = 1.4$ V typ. (at $I_F = 30$ A)
- Low reverse current: $I_R = 1 \mu A \text{ max.}$ (at $V_R = 600 \text{ V}$)

Outline



Absolute Maximum Ratings

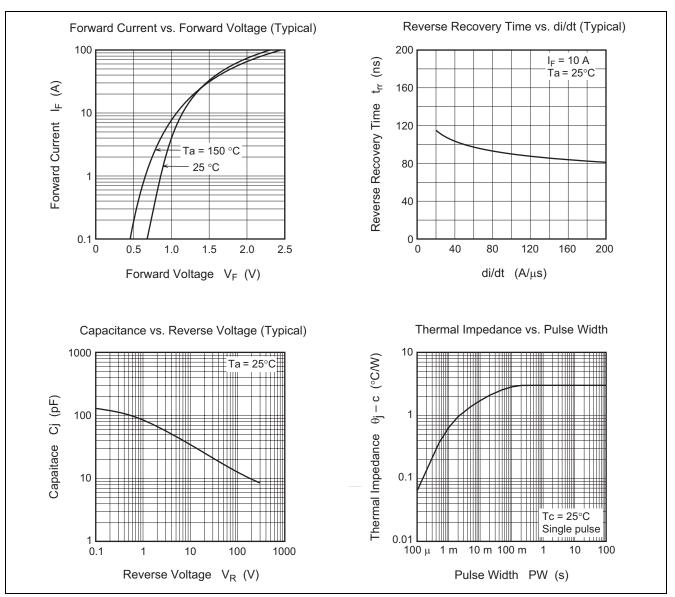
				$(Ta = 25^{\circ}C)$
Item		Symbol	Ratings	Unit
Maximum reverse voltage		V _{RM}	600	V
Average rectified forward current		lo	10	А
Continuous forward current	Tc = 25°C	IF	30	А
	Tc = 100°C	IF	15	А
Peak surge forward current		I _{FSM}	80	А
Junction to case thermal resistance		θj-cd	3.0	°C/W
Junction temperature		Tj	150	°C
Storage temperature		Tstg	-55 to +150	°C

Electrical Characteristics

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

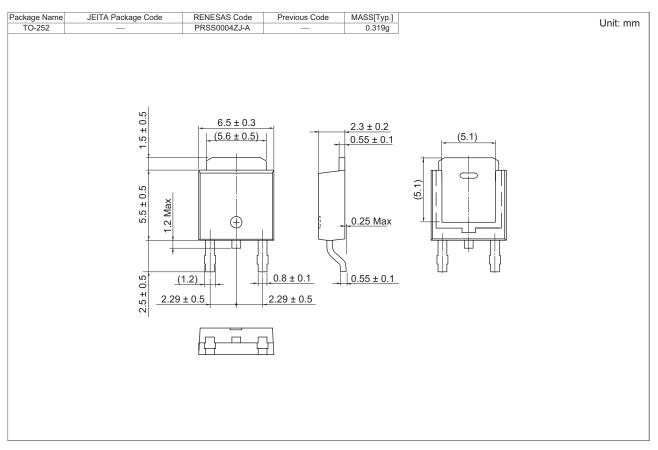
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward Voltage	VF		1.4	2.1	V	I _F = 30 A
Reverse current	I _R			1	μΑ	V _R = 600 V
Reverse Recovery Time	t _{rr}	_	90	—	ns	I _F = 10 A, di/dt = 100 A/μs

Main Characteristics





Package Dimensions



Ordering Information

Orderable Part Number	Quantity	Shipping Container
RJU60C3SDPD-E0-J2	3000 pcs	Taping



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