

RJU60C3TDPP-EJ

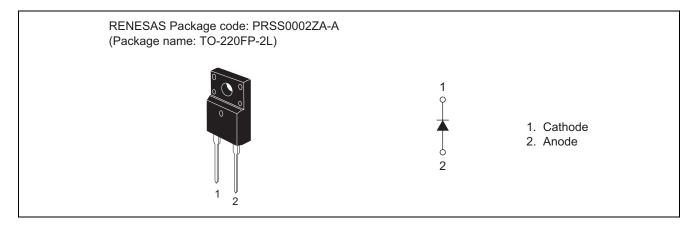
Single Diode Fast Recovery Diode

R07DS0376EJ0100 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/ μ s)
- Low forward voltage: $V_F = 1.4 \text{ V}$ typ. (at $I_F = 30 \text{ A}$)
- Low reverse current: $I_R = 1 \mu A \text{ max.}$ (at $V_R = 600 \text{ V}$)

Outline



Absolute Maximum Ratings

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

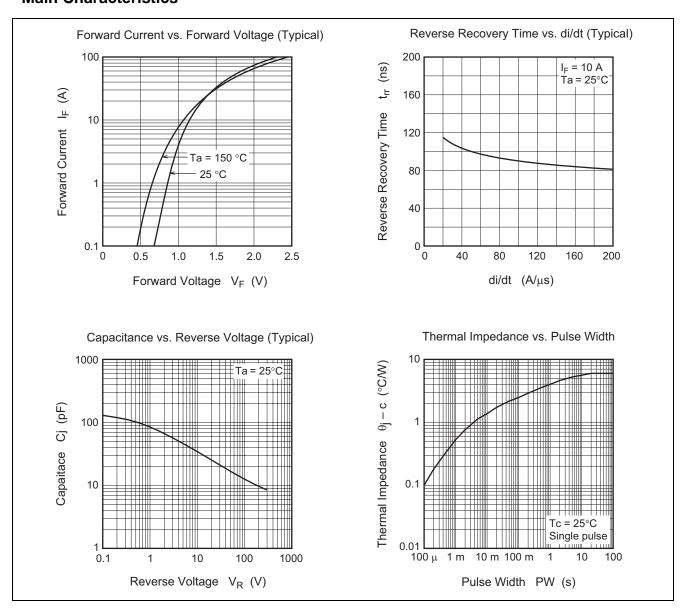
Item		Symbol	Ratings	Unit
Maximum reverse voltage		VRM	600	V
Average rectified forward current		lo	10	А
Continuous forward current	Tc = 25°C	I _F	30	А
	Tc = 100°C	I _F	15	А
Peak surge forward current		I _{FSM}	80	Α
Junction to case thermal resist	ance	θj-cd	6.0	°C/W
Junction temperature		Tj	150	°C
Storage temperature		Tstg	-55 to +150	°C

Electrical Characteristics

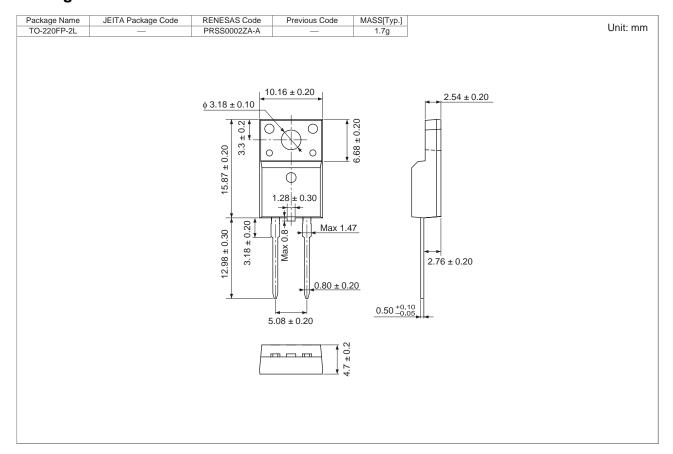
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward Voltage	V_{F}	_	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	$I_F = 10 \text{ A}, \text{ di/dt} = 100 \text{ A/}\mu\text{s}$

Main Characteristics



Package Dimensions



Ordering Information

Orderable Part Number	Quantity	Shipping Container
RJU60C3TDPP-EJ-T2	600 pcs	Box (Tube)

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