

RJU60C6TDPP-EJ

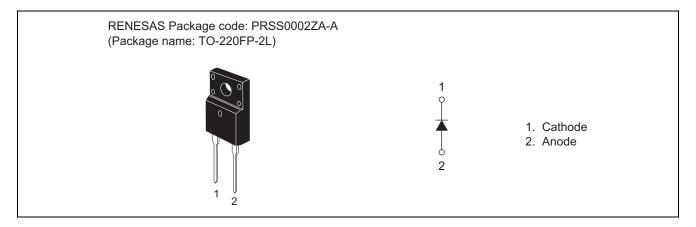
Single Diode Fast Recovery Diode

R07DS0387EJ0100 Rev.1.00 Apr 26, 2011

Features

- Fast reverse recovery time: $t_{rr} = 100$ ns typ. (at $I_F = 30$ A, di/dt = -100 A/ μ s)
- Low forward voltage: $V_F = 1.4 \text{ V}$ typ. (at $I_F = 50 \text{ A}$)
- Low reverse current: $I_R = 1 \mu A \text{ max.}$ (at $V_R = 600 \text{ V}$)

Outline



Absolute Maximum Ratings

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

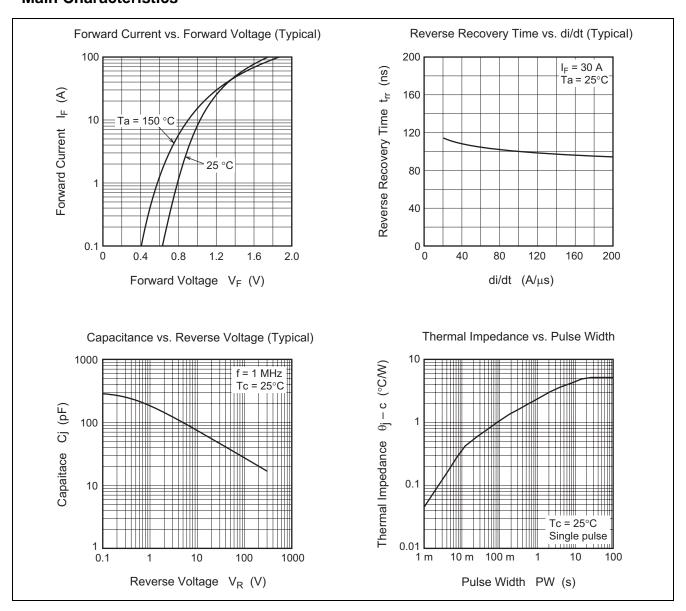
Item		Symbol	Ratings	Unit
Maximum reverse voltage		V_{RM}	600	V
Average rectified forward curre	ent	lo	30	Α
Continuous forward current	Tc = 25°C	I _F	50	Α
	Tc = 100°C	I _F	25	Α
Peak surge forward current		I _{FSM}	140	Α
Junction to case thermal resis	tance	θj-cd	5.2	°C /W
Junction temperature		Tj	150	°C
Storage temperature		Tstg	-55 to +150	°C

Electrical Characteristics

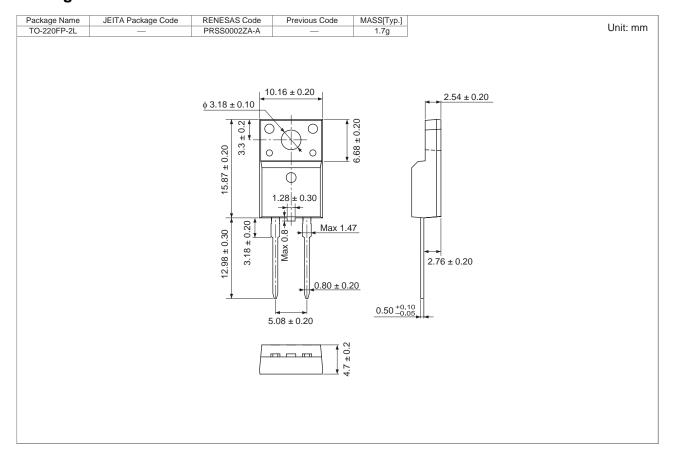
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward Voltage	V_{F}		1.4	2.0	V	I _F = 50 A
Reverse current	I _R	_	_	1	μА	V _R = 600 V
Reverse Recovery Time	t _{rr}	_	100	_	ns	$I_F = 30 \text{ A}, \text{ di/dt} = -100 \text{ A/}\mu\text{s}$

Main Characteristics



Package Dimensions



Ordering Information

Orderable Part Number	Quantity	Shipping Container
RJU60C6TDPP-EJ-T2	600 pcs	Box (Tube)

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