

RJU60C6TDPP-EJ

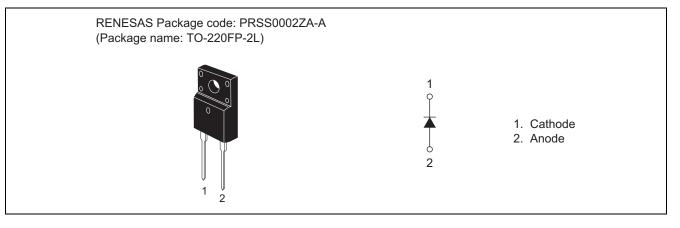
Single Diode Fast Recovery Diode

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/µs)
- Low forward voltage: $V_F = 1.4$ V typ. (at $I_F = 50$ A)
- Low reverse current: $I_R = 1 \ \mu A \ max.$ (at $V_R = 600 \ V$)

Outline



Absolute Maximum Ratings

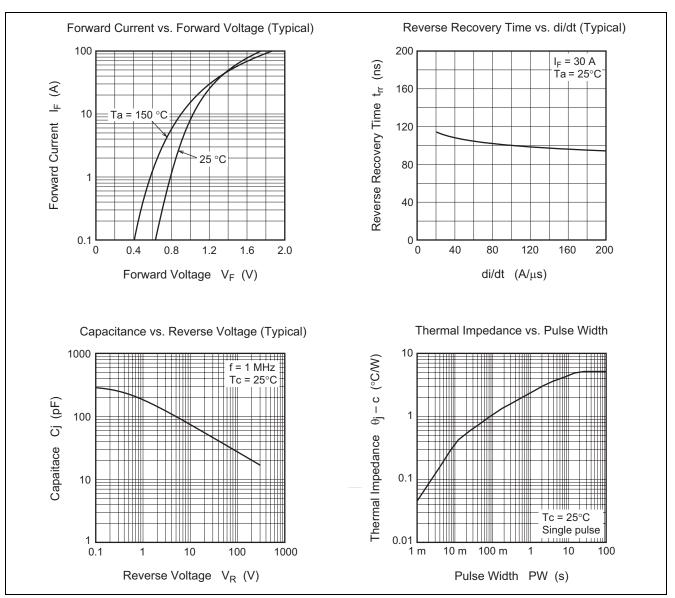
				$(Ta = 25^{\circ}C)$
Item		Symbol	Ratings	Unit
Maximum reverse voltage		V _{RM}	600	V
Average rectified forward current		lo	30	A
Continuous forward current	Tc = 25°C	I _F	50	A
	Tc = 100°C	I _F	25	A
Peak surge forward current		I _{FSM}	140	A
Junction to case thermal resistance		θj-cd	5.2	°C /W
Junction temperature		Tj	150	°C
Storage temperature		Tstg	-55 to +150	°C

Electrical Characteristics

						$(Ta = 25^{\circ}C)$
ltem	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	μΑ	V _R = 600 V
Reverse Recovery Time	t _{rr}	_	100		ns	$I_F = 30 \text{ A}, \text{ di/dt} = -100 \text{ A/}\mu\text{s}$

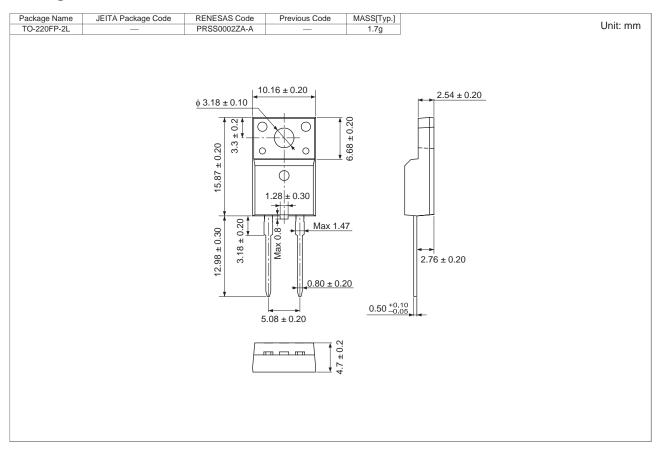


Main Characteristics





Package Dimensions



Ordering Information

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



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