

RJU4352TDPP-EJ

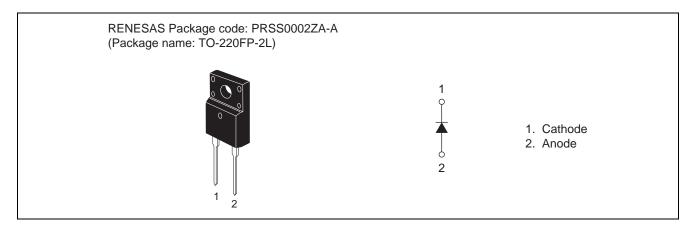
Single Diode Ultra Fast Recovery Diode

R07DS0635EJ0100 Rev.1.00 Jan 05, 2012

Features

- Ultra fast reverse recovery time: $t_{rr} = 25$ ns typ. (at $I_F = 20$ A, di/dt = 100 A/ μ s)
- Low forward voltage: $V_F = 1.5 \text{ V}$ typ. (at $I_F = 20 \text{ A}$)
- Low reverse current: $I_R = 1 \mu A \text{ max.}$ (at $V_R = 430 \text{ V}$)
- Isolated package: TO-220FP (2pin)

Outline



Absolute Maximum Ratings

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

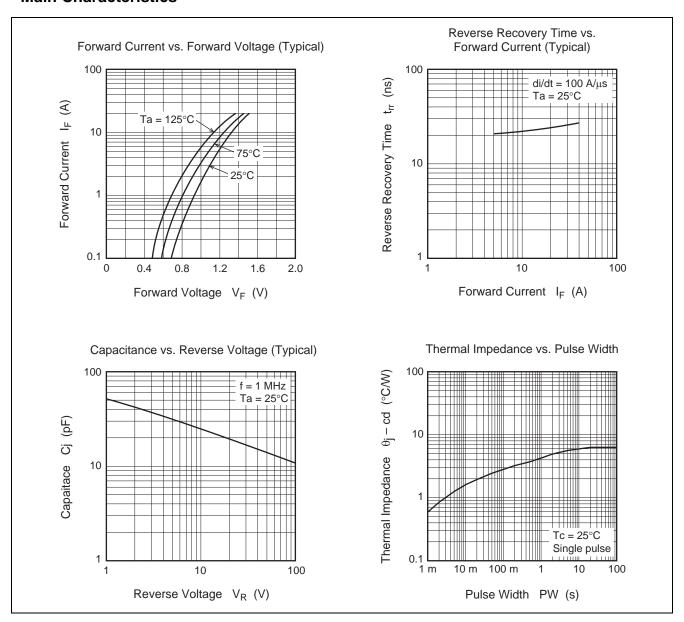
Item		Symbol Ratings		Unit	
Maximum reverse voltage		V_{RM}	430	V	
Continuous forward current	Tc = 25°C	I _F	20	A	
	Tc = 100°C	I _F	10	A	
Peak surge forward current		I _{FSM}	100	A	
Junction to case thermal resis	tance	θj-cd	6.25	°C/W	
Junction temperature		Tj	150	°C	
Storage temperature		Tstg	−55 to +150	°C	

Electrical Characteristics

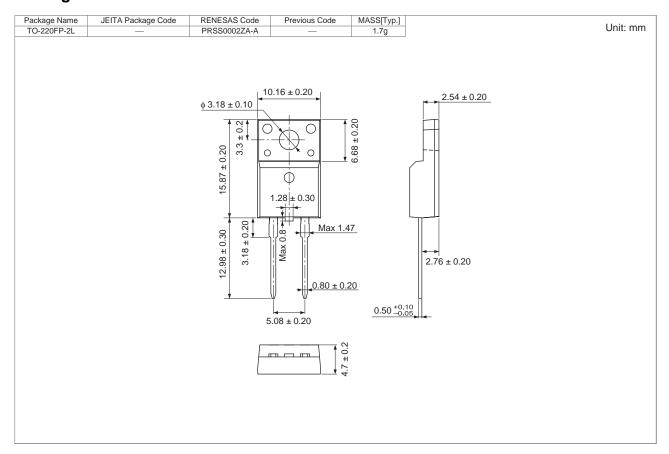
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward Voltage	V_{F}	_	1.5	1.8	V	I _F = 20 A
Reverse current	I _R	_	_	1	μΑ	V _R = 430 V
Reverse Recovery Time	t _{rr}	_	25		ns	I _F = 20 A, di/dt = 100 A/μs

Main Characteristics



Package Dimensions



Ordering Information

Orderable Part No.	Quantity	Shipping Container
RJU4352TDPP-EJ#T2	600 pcs	Box (Tube)

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