

RJU3051SDPE

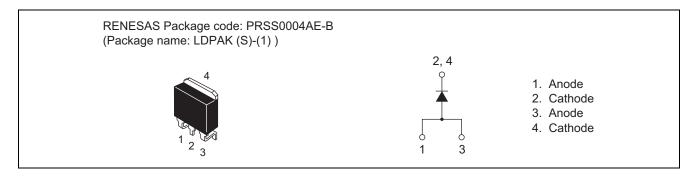
360V - 10A - Single Diode Ultra Fast Recovery Diode

R07DS1067EJ0100 Rev.1.00 Apr 24, 2013

Features

- Ultra fast reverse recovery time: $t_{rr} = 25$ ns typ. (at $I_F = 10$ A, di/dt = 100 A/ μ s)
- Low forward voltage: $V_F = 1.4 \text{ V}$ typ. (at $I_F = 10 \text{ A}$)
- Low reverse current: $I_R = 1 \mu A \text{ max.}$ (at $V_R = 360 \text{ V}$)

Outline



Absolute Maximum Ratings

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

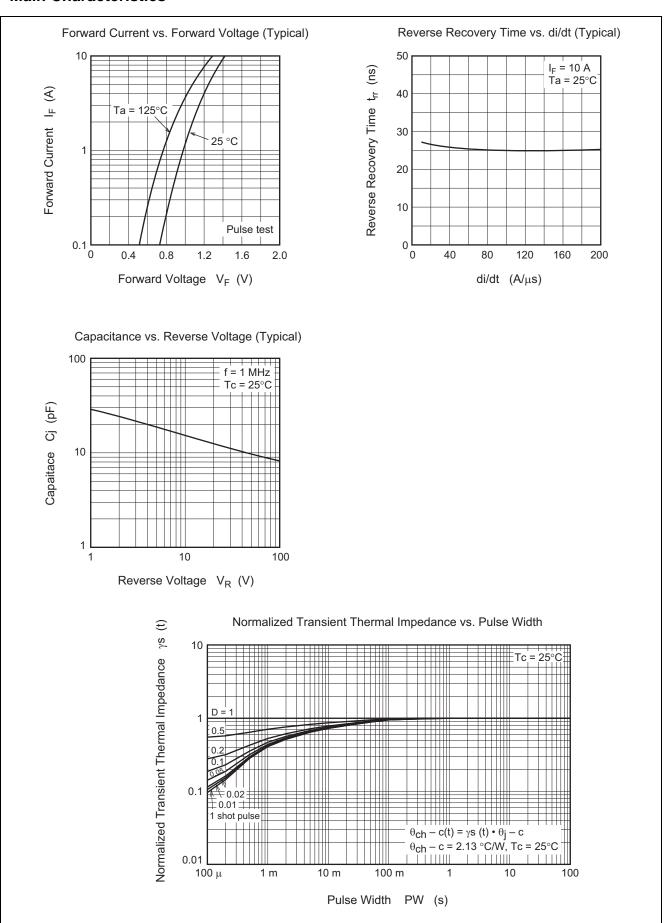
Item		Symbol	Ratings	Unit	
Maximum reverse voltage		V_{RM}	360	V	
Continuous forward	Tc = 25°C	I _F	10	A	
current	Tc = 100°C	I _F	4	Α	
Peak surge forward current		I _{FSM}	50	Α	
Junction to case thermal resistance		θj-cd	2.13	°C/W	
Junction temperature		Tj	150	°C	
Storage temperature		Tstg	−55 to +150	°C	

Electrical Characteristics

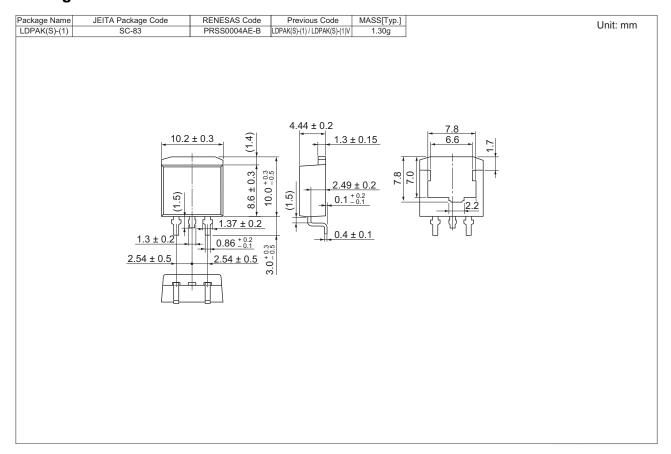
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward voltage	V_{F}	_	1.4	1.7	V	I _F = 10 A
Reverse current	I _R	_	_	1	μΑ	V _R = 360 V
Reverse recovery time	t _{rr}		25	_	ns	$I_F = 10A$, $di/dt = 100 A/\mu s$

Main Characteristics



Package Dimensions



Ordering Information

Orderable Part Number	Quantity	Shipping Container
RJU3051SDPE-00#J3	1000 pcs	Taping

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