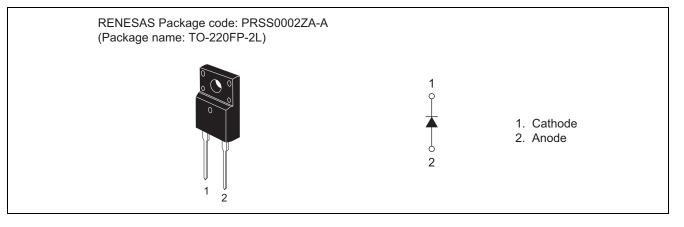


600V - 15A - Diode SiC Schottky Barrier Diode R07DS0900EJ0300 Rev.3.00 Jan 23, 2014

Features

- New semiconductor material: Silicon Carbide Diode
- No reverse recovery / No forward recovery

Outline



Absolute Maximum Ratings

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

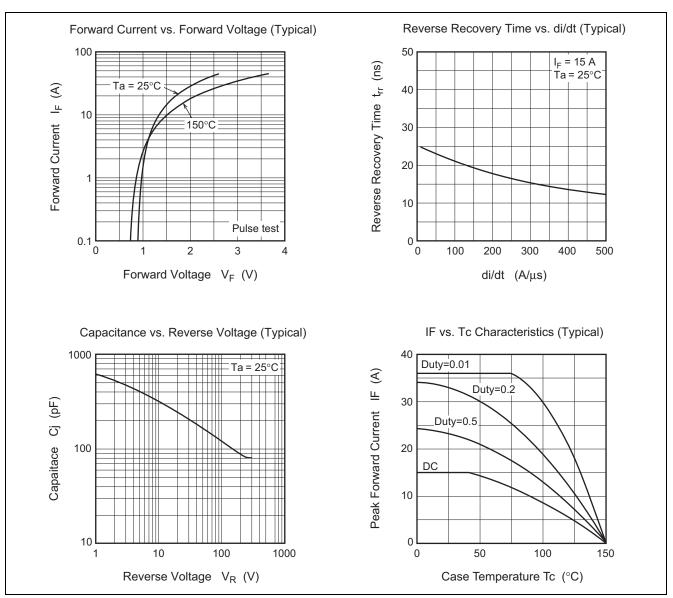
			(14 25 6)
Item	Symbol	Ratings	Unit
Maximum reverse voltage	V _{RM}	600	V
Continuous forward current	I _F	15	A
Peak surge forward current	I _{FSM}	90	A
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Electrical Characteristics

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

ltem	Symbol	Min	Тур	Max	Unit	Test conditions
Forward voltage	VF		1.5	1.8	V	I _F = 15 A
Reverse current	I _R	_		10	μΑ	V _R = 600 V
Reverse recovery time	t _{rr}	_	15	—	ns	I _F = 15 A, di/dt = 300A/μs

Main characteristics





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