

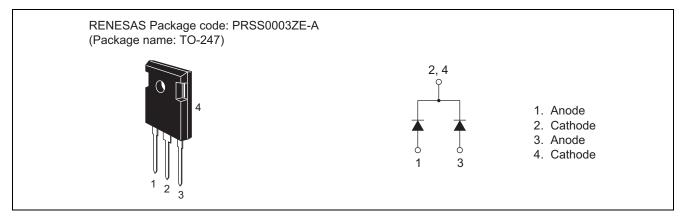
RJS6004WDPQ-E0

600V - 20A - Diode SiC Schottky Barrier Diode R07DS0898EJ0101 Rev.1.01 Nov 21, 2012

Features

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

Outline



Absolute Maximum Ratings

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

Item	Symbol	Ratings	Unit
Maximum reverse voltage	V _{RM}	600	V
Continuous forward current	I _F Note1	10/20	A
Peak surge forward current	I _{FSM} ^{Note1}	60/120	A
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Notes: 1. Per leg/device

Electrical Characteristics

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

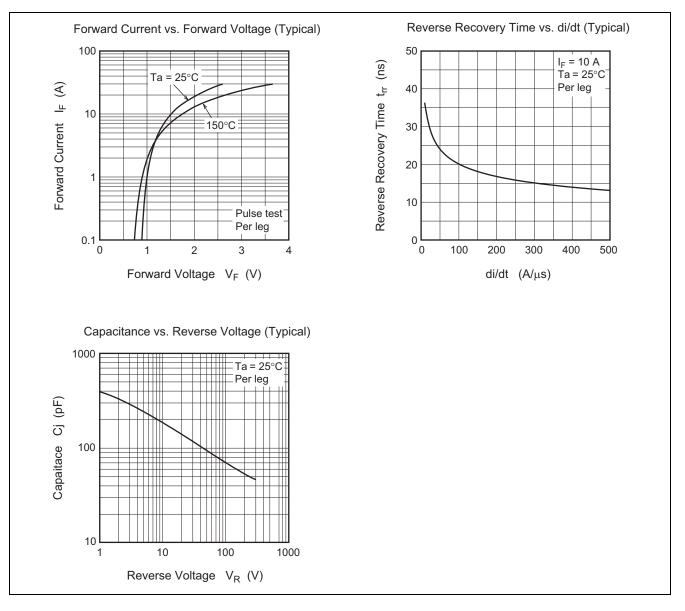
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward voltage	V _F ^{Note2}		1.5	1.8	V	I _F = 10 A
Reverse current	I _R ^{Note1}	_		10/20	μΑ	V _R = 600 V
Reverse recovery time	t _{rr} ^{Note2}	_	15	_	ns	$I_F = 10 \text{ A}, \text{ di/dt} = 300 \text{ A}/\mu \text{s}$

Notes: 1. Per leg/device

2. Per leg

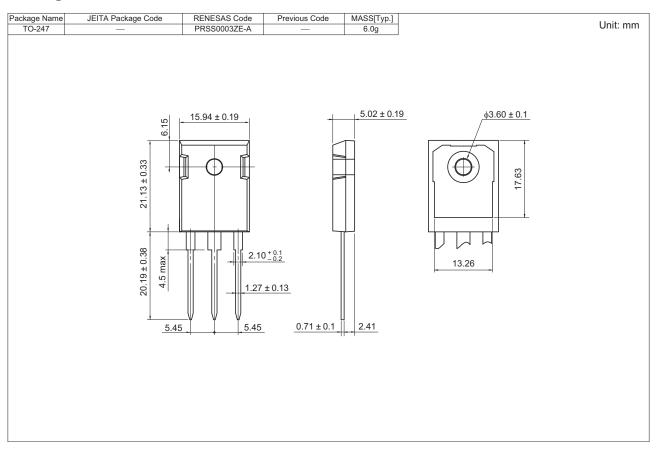


Main Characteristics





Package Dimensions



Ordering Information

Orderable Part Number	Quantity	Shipping Container
RJS6004WDPQ-E0#T2	240 pcs	Box (Tube)



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