

RJS6004WDPK

600V - 20A - 二极管
碳化硅肖特基势垒二极管

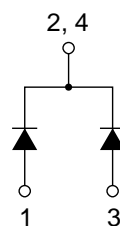
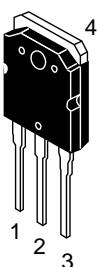
R07DS0897CJ0100
修订版本 1.00
Jan 23, 2013

特点

- 半导体新材料：碳化硅二极管
- 无反向恢复 / 无正向恢复

封装形式

RENESAS 封装代码: PRSS0004ZE-A
(封装名称: TO-3P)



1. 阳极
2. 阴极
3. 阳极
4. 阴极

绝对最大额定值

(Ta = 25°C)

参数	符号	额定值	单位
最大反向电压	V_{RM}	600	V
持续正向电流	I_F 注1	10/20	A
正向浪涌脉冲电流	I_{FSM} 注1	60/120	A
结壳热阻	θ_{j-c}	0.9	°C/W
结温	T_j	150	°C
储存温度	T_{stg}	-55 to +150	°C

注: 1. 单二极管/双二极管

电特性

(Ta = 25°C)

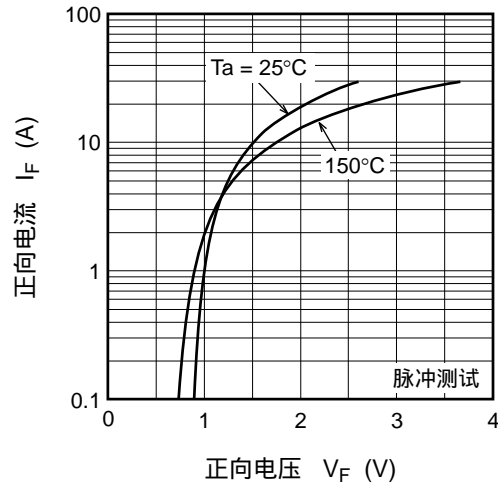
参数	符号	最小值	典型值	最大值	单位	测定条件
正向电压	V_F 注2	—	1.5	1.8	V	$I_F = 10\text{ A}$
反向电流	I_R 注1	—	—	10/20	μA	$V_R = 600\text{ V}$
反向恢复时间	t_{rr} 注2	—	15	—	ns	$I_F = 10\text{ A}$, $di/dt = 300\text{ A}/\mu\text{s}$

注: 1. 单二极管/双二极管

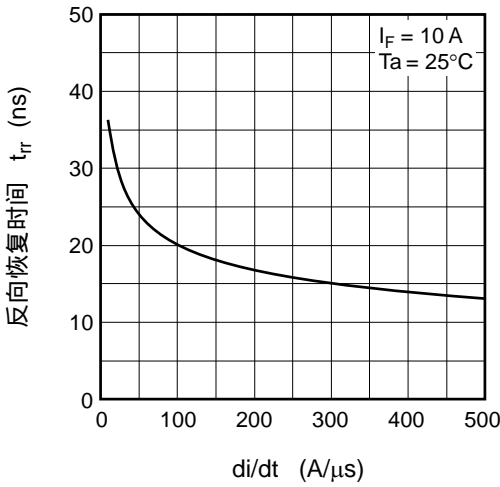
2. 单二极管

主要特性

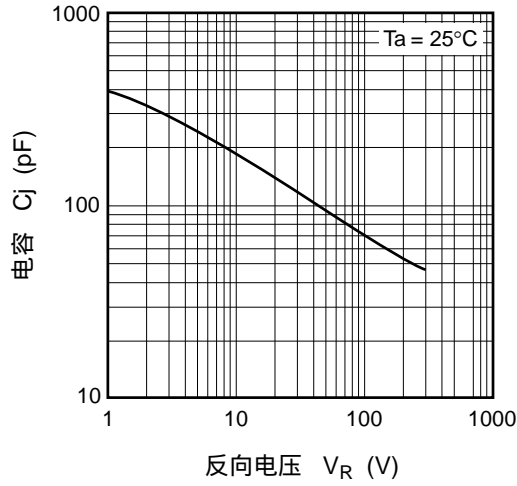
正向电流-正向电压 (典型)



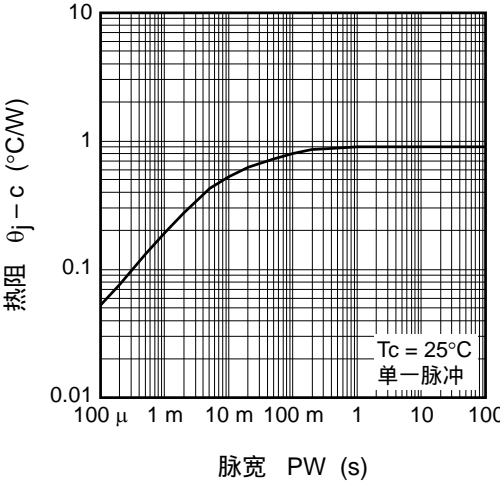
反向恢复时间-di/dt (典型)



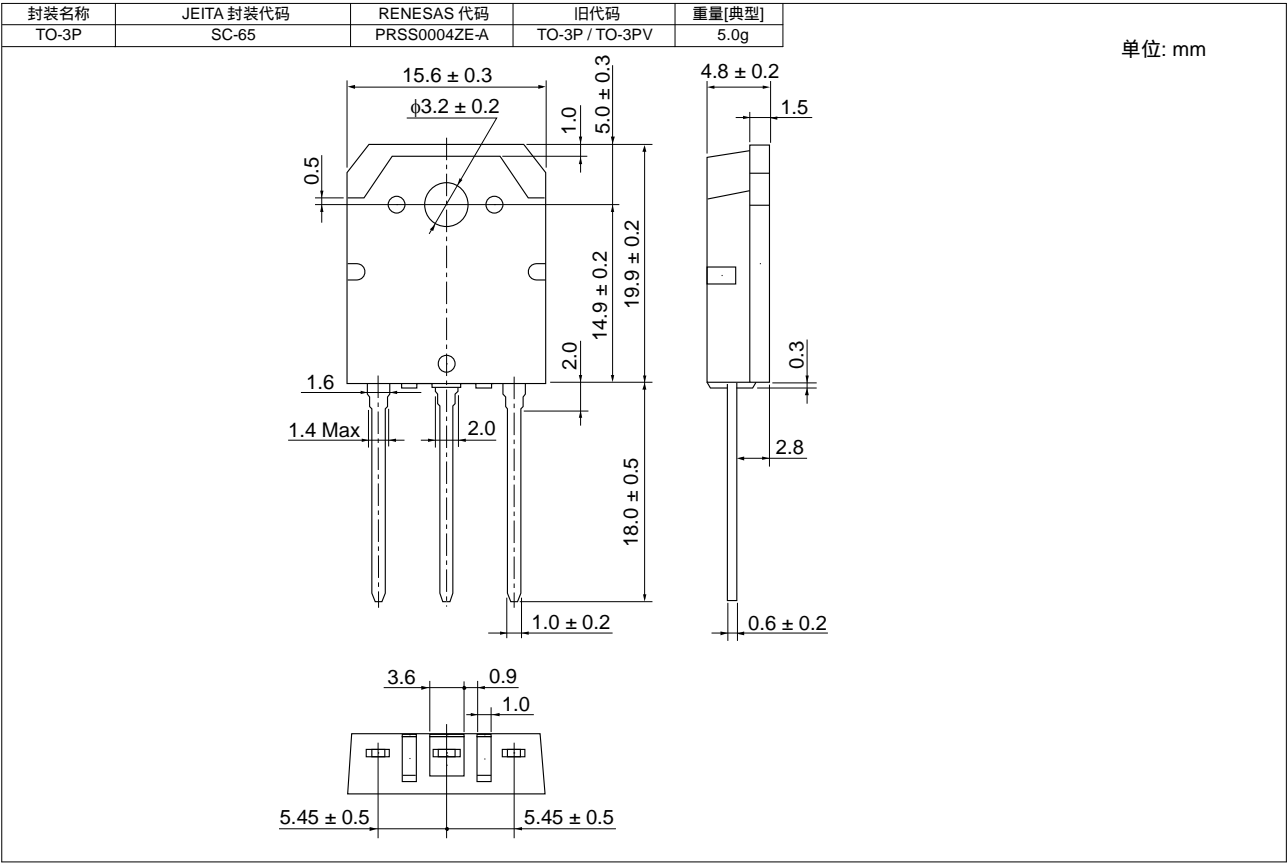
电容-反向电压 (典型)



热阻-脉宽



封装尺寸



订购信息

订购型号	数量	运输包装
RJS6004WDPK-00#T0	360 枚	纸盒包装 (管状容器)

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