

R07DS0742CJ0001 修订版本 0.01

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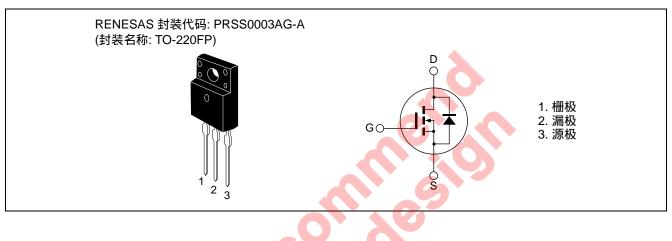
RJK60S2DPP-E0

600V - 8A -超结场效应晶体管 快速电源开关

特点

- 超结场效应晶体管
- 低漏极/源极通态电阻 $R_{DS(on)} = 0.53 \Omega$ 典型值 (I_D = 4 A, V_{GS} = 10 V, Ta = 25°C)

封装形式



绝对最大额定值

			$(Ta = 25^{\circ}C)$
参数	符号	额定值	单位
漏极/源极电压	V _{DSS}	600	V
栅极/源极电压	V _{GSS}	+30, -20	V
漏极电流	ID ^{注1,2}	8	А
体二极管反向漏极电流	I _{DR} 注1	8	А
沟道最大容许损耗	Pch ^{注2}	26.3	W
沟道-外壳间热阻	θch-c	4.75	°C/W
沟道温度	Tch	150	°C
储存温度	Tstg	-55 to +150	°C
注: 1. 限于 Tch 的最大值			

1. 限于 Tch 的最大值

2. 在 Tc = 25°C 的容许值



电特性

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

参数	符号	最小值	典型值	最大值	单位	测定条件
漏极/源极破坏电压	V _{(BR)DSS}	600		_	V	$I_D = 10 \text{ mA}, V_{GS} = 0$
漏极截止电流	I _{DSS}			1	mA	$V_{DS} = 600 \text{ V}, \text{ V}_{GS} = 0$
栅极截止电流	I _{GSS}			±0.1	μΑ	V_{GS} = +30V, -20 V, V_{DS} = 0
栅极/源极截止电压	V _{GS(off)}	3		5	V	$V_{DS} = 10 \text{ V}, I_{D} = 1 \text{ mA}$
静态漏极/源极通态电阻	R _{DS(on)}		0.53	0.67	Ω	$I_D = 4 \text{ A}, V_{GS} = 10 \text{ V}^{\pm 3}$
输入电容	Ciss		500	—	pF	V _{DS} = 25 V
输出电容	Coss		720	—	pF	$V_{GS} = 0$
反向传输电容	Crss	_	2.8	_	pF	f = 100 kHz

注: 3. 脉冲测试





封装尺寸

封装名称	JEITA 封装代码	RENESAS 代码	旧代码	重量[典型]		** /**
TO-220FP	—	PRSS0003AG-A		1.9g		单位: mm
		0.0 ± 81.5 ¢ 3.18 ± 0.20 3.3 ± 0.20 0 ± 15.87 ± 0.20	.16 ± 0.20		2.54 ± 0.20 2.76 ± 0.20	

订购信息

订购信息				
订购型号	数量	运输包装		
RJK60S2DPP-E0#T2	1000枚	纸盒包装 (管状容器)		







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