

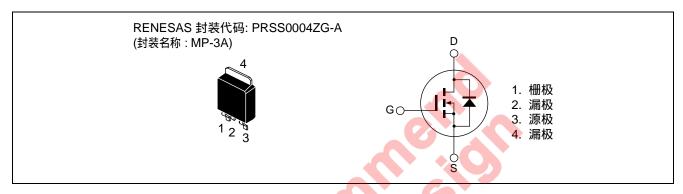
RJK60S1DPD

600V - 8A - 超结场效应晶体管 快速电源开关 R07DS0853CJ0002 修订版本 0.02 Oct 10, 2012

特点

- 超结场效应晶体管
- 低漏极/源极通态电阻
 R_{DS(on)} = 0.84 Ω 典型值 (I_D = 2.2A, V_{GS} = 10 V, Ta = 25°C)

封装形式



绝对最大额定值

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

萝	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	Tc = 25°C	l _D 注1,2	8	А
	Tc = 100°C	I _D 注1,2	5	А
体二极管反向漏极电流	101	I _{DR} 注1	8	А
沟道最大容许损耗		Pch ^{注3}	31.2	W
沟道-外壳间热阻	- CO.	θch-c	4.0	°C/W
沟道温度		Tch	150	°C
储存温度		Tstg	-55 to +150	°C

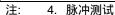
- 注: 1. 限于 Tch 的最大值
 - 2. 最大工作周期为 D = 0.5
 - 3. 在 Tc = 25°C 的容许值

RJK60S1DPD 初始

电特性

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

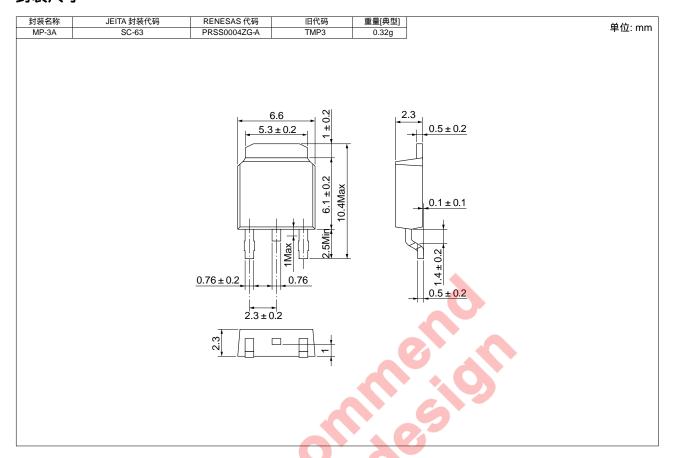
参数	符号	最小值	典型值	最大值	单位	测定条件
漏极/源极破坏电压	$V_{(BR)DSS}$	600			V	$I_D = 10 \text{ mA}, V_{GS} = 0$
漏极截止电流	I _{DSS}			1	mΑ	$V_{DS} = 600 \text{ V}, V_{GS} = 0$
栅极截止电流	I _{GSS}			±0.1	μΑ	$V_{GS} = +30V, -20 V, V_{DS} = 0$
栅极/源极截止电压	$V_{GS(off)}$	3		5	V	$V_{DS} = 10 \text{ V}, I_{D} = 1 \text{ mA}$
静态漏极/源极通态电阻	R _{DS(on)}		0.84	1.05	Ω	$I_D = 2.2 \text{ A}, V_{GS} = 10 \text{ V}^{\pm 4}$
	R _{DS(on)}	_	2.10	_	Ω	Ta = 150°C
						$I_D = 2.2 \text{ A}, V_{GS} = 10 \text{ V}^{\frac{11}{4}}$
栅极电阻	Rg	_	3.5	_	Ω	f = 1 MHz
						$V_{DS} = 25 \text{ V}, V_{GS} = 0$
输入电容	Ciss	_	310	_	pF	V _{DS} = 25 V
输出电容	Coss	_	500	_	pF	$V_{GS} = 0$
反向传输电容	Crss	_	2	_	pF	f = 100 kHz
体二极管正向电压	V_{DF}	_	1.0	1.6	V	I _F = 4.4 A, V _{GS} = 0 ^{注 4}





RJK60S1DPD 初始

封装尺寸



订购信息

订购型号	数量	运输包装
RJK60S1DPD-00#J2	3000 枚	带卷包装

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