

R07DS0741CJ0001 修订版本 0.01

Aug 28, 2012

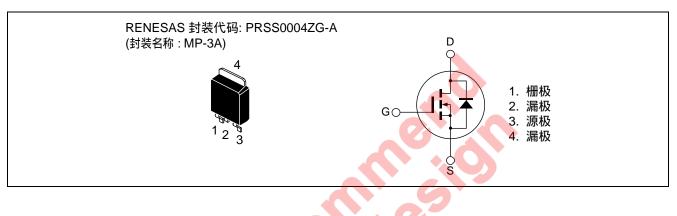
# RJK60S2DPD

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<sub>D</sub> = 4 A, V<sub>GS</sub> = 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 <sub>DSS</sub>	600	V
栅极/源极电压	V <sub>GSS</sub>	+30, –20	V
漏极电流	ID <sup>注1,2</sup>	8	А
体二极管反向漏极电流	I <sub>DR</sub> 注1	8	А
沟道最大容许损耗	Pch <sup>注2</sup>	50	W
沟道-外壳间热阻	θch-c	2.5	°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 <sub>(BR)DSS</sub>	600	_		V	$I_D = 10 \text{ mA}, V_{GS} = 0$
漏极截止电流	I <sub>DSS</sub>	_	_	1	mA	$V_{DS} = 600 \text{ V}, V_{GS} = 0$
栅极截止电流	I <sub>GSS</sub>	—	—	±0.1	μΑ	$V_{GS}$ = +30V, -20 V, $V_{DS}$ = 0
栅极/源极截止电压	V <sub>GS(off)</sub>	3	—	5	V	$V_{DS} = 10 \text{ V}, I_{D} = 1 \text{ mA}$
静态漏极/源极通态电阻	R <sub>DS(on)</sub>	—	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 <sub>DS</sub> = 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]		单位: mm
MP-3A	SC-63	PRSS0004ZG-A	TMP3	0.32g		丰位. 1111
		0.76±0.2	9 0.20 2.5Min 6.1 ± 0.2 10.4Max		$5 \pm 0.2$	
				C		
				Inc	9.	

# 订购信息

	0				
订购信息					
订购型号	数		运输包装		
RJK60S2DPD-00#J2	3000枚	带卷包装			







#### SALES OFFICES

#### **Renesas Electronics Corporation**

http://www.renesas.com

Refer to "http://www.renesas.com/" for the latest and detailed information

Renesas Electronics America Inc. 2880 Scott Boulevard Santa Clara, CA 95050-2554, U.S.A. Tel: +1-408-588-6000, Fax: +1-408-588-6130

Renesas Electronics Canada Limited 1101 Nicholson Road, Newmarket, Ontario L3Y 9C3, Canada Tel: +1-905-898-5441, Fax: +1-905-898-3220

Renesas Electronics Europe Limited Dukes Meadow, Miliboard Road, Bourne End, Buckinghamshire, SL8 5FH, U.K Tel: +44-1628-651-700, Fax: +44-1628-651-804

Renesas Electronics Europe GmbH Arcadiastrasse 10, 40472 Düsseldorf, Germany Tel: +49-211-65030, Fax: +49-211-6503-1327

Renesas Electronics (China) Co., Ltd. 7th Floor, Quantum Plaza, No.27 ZhiChunLu Haidian District, Beijing 100083, P.R.China Tel: +86-10-8235-1155, Fax: +86-10-8235-7679

Renesas Electronics (Shanghai) Co., Ltd. Unit 204, 205, AZIA Center, No. 1233 Lujiazui Ring Rd., Pudong District, Shanghai 200120, China Tei: +86-21-6877-1818, Fax: +86-21-6887-7858 / -7898

Renesas Electronics Hong Kong Limited Unit 1601-1613, 16/F., Tower 2, Grand Century Place, 193 Prince Edward Road West, Mongkok, Kowloon, Hong Kong Tel: +852-2886-9318, Fax: +852 2886-9022/9044

Renesas Electronics Taiwan Co., Ltd. 13F, No. 363, Fu Shing North Road, Taipei, Taiwan Tel: +886-2-8175-9600, Fax: +886 2-8175-9670

Renesas Electronics Singapore Pte. Ltd. 80 Bendemeer Road, Unit #06-02 Hyflux Innovation Centre Singapore 339949 Tel: +65-6213-0200. Fax: +65-6213-0300

Renesas Electronics Malaysia Sdn.Bhd. Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No. 18, Jln Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia Tei: +60-3-7955-9390, Fax: +60-3-7955-9510

Renesas Electronics Korea Co., Ltd. 11F., Samik Lavied' or Bidg., 720-2 Yeoksam-Dong, Kangnam-Ku, Seoul 135-080, Korea Tel: +822-558-3737, Fax: +822-558-5141

© 2012 Renesas Electronics Corporation. All rights reserved. Colophon 2.2