

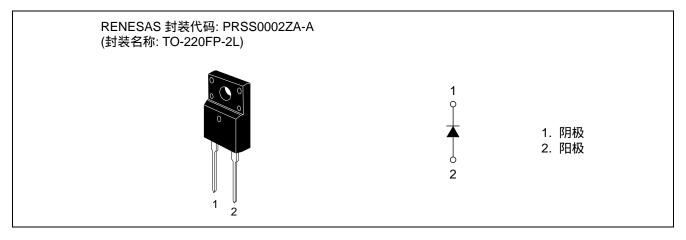
RJS6004TDPP-EJ

600V - 10A - 二极管 碳化硅肖特基势垒二极管 R07DS0896CJ0101 修订版本 1.01 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



绝对最大额定值

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

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	10	А
正向浪涌脉冲电流	I _{FSM}	60	А
结温	Tj	150	°C
储存温度	Tstg	-55 to +150	°C

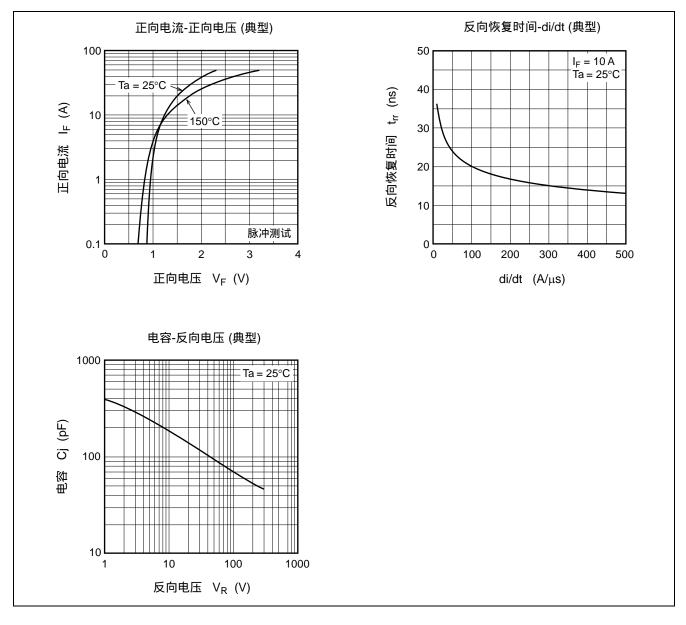
电特性

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

参数	符号	最小值	典型值	最大值	单位	测定条件
正向电压	VF		1.5	1.8	V	I _F = 10 A
反向电流	I _R	_	_	10	μΑ	V _R = 600 V
反向恢复时间	t _{rr}		15		ns	$I_F = 10 \text{ A}, \text{ di/dt} = 300 \text{ A/}\mu\text{s}$



主要特性





	A 封装代码 RENESA		重量[典型]		出 合
TO-220FP-2L	- PRSS000	2ZA-A –	1.7g		单位: mm
	¢ 3.18 ± 0.30 ↓ 15.87 ± 0.30	R:0 0 1.28 ± 0.30 0 0		2.54 ± 0.20 2.76 ± 0.20	

订购信息

订购型号	数量	运输包装
RJS6004TDPP-EJ#T2	1000枚	纸盒包装 (管状容器)

Notice Descriptions of circuits, software and other related information in this document are provided only to illustrate the operation of semiconductor products and application examples. You are fully responsible for the incorporation of these circuits, software, and information in the design of your equipment. Renesas Electronics assumes no responsibility for any losses incurred by you or third parties arising from the 1. use of these circuits, software, or information. Renesas Electronics does not warrant that such information is error free. Renesas Electronics does not warrant that such information is error free. Renesas Electronics 2. Renesas Electronics does not assume any liability for infringement of patents, copyrights, or other intellectual property rights of their does a relative of the relation of the international control of the relation of the 3. Vouries. You should not alter, modify, copy, or otherwise misappropriate any Renesas Electronics product, whether in whole or in part. Renesas Electronics assumes no responsibility for any losses incurred by you or third parties arising from such alteration, modification, copy or otherwise misappropriation of Renesas Electronics product. Renesas Electronics products are classified according to the following two quality grades: "Standard" and "High Quality". The recommended applications for each Renesas Electronics product depends on the product's quality grade, as indicated below. 4 5. "Standard": Computers; office equipment; communications equipment; test and measurement equipment; audio and visual equipment; home electronic appliances; machine tools; personal electronic equipment; and industrial robots etc. "High Quality": Transportation equipment (automobiles, trains, ships, etc.); traffic control systems; anti-disaster systems; anti-crime systems; and safety equipment etc. "High Quality": Transportation equipment (automobiles, trains, ships, etc.); traffic control systems; anti-disaster systems; and safety equipment etc. Reneasa Electronics products are neither intended nor use in products or systems; anti-disaster systems; and safety equipment etc. In a particular application. You may not use any Reneasa Electronics product for any application for which it is not intended. Reneasa Electronics and interview and way one and streat threat to hodiny injury (artificial life support devices or systems, surgical incurred by you or third parties arising from the use of any Reneasa Electronics product for any application for which it is not intended. Reneasa Electronics shall not be in any way liable for any damages or losses incurred by you or third parties arising from the use of any Reneasa Electronics product for which the product is not intended by Reneasa Electronics. You should use the Reneasa Electronics products described in this document within the range specified by Reneasa Electronics, especially with respect to the maximum rating, operating supply voltage range, movement power voltage range, heat radiation characteristics, installation and other product characteristics. Reneasa Electronics shall have no liability for malfunctions or damages arising out of the use of Reneasa Electronics endeavors to improve the quality and reliability of its products, semiconductor products have specific characteristics such as the occurrence of failure at a certain rate and malfunctions under certain use conditions. Further, Reneasa Electronics products are not subject to radiaton characteristic such as asfety design for hardware and software including but not limited to predundancy, free control and malfunction prevention, appropriate treasard atom ervs product, such as asfety design for hardware and software including but not limited to redundancy, free control and malfunction prevention, appropriate treasard atom or worker appropriate measures. Because the evaluation of microcomputer soft producting to project in any set that the set of the se 8. Please contact a Renesas Electronics sales office for details as to environmental matters such as the environmental compatibility of each Renesas Electronics product. Please use Renesas Electronics products in compliance with all applicable laws and regulations that regulate the inclusion or use of controlled substances, including without limitation, the EU RoHS Directive. Renesas Electronics assumes no liability for damages or losses occurring as a result of your noncompliance with applicable laws and regulations. Renesas Electronics products and technology may not be used for or incorporated into any products or systems whose manufacture, use, or sale is prohibited under any applicable domestic or foreign laws or regulations. You should not use Renesas Electronics products or exponent of many purpose relating to military applications or use by the military, including but not limited to the development of weapons of mass destruction. When exporting the Renesas Electronics products or technology described in this document, you should comply with the applicable export control laws and regulations. It is the responsibility of the buyer or distributor of Renesas Electronics products, who distributes, disposes of, or otherwise places the product with a third party, to notify such third party in advance of the contents and conditions set forth in this document, Renesas Electronics assumes no responsibility for any losses are areal by you or third parties as a result of unauthorized use of Renesas Electronics products are proprieted. products. This document may not be reproduced or duplicated in any form, in whole or in part, without prior written consent of Renesas Electronics. 12. Please contact a Renesas Electronics sales office if you have any other inquiries. (Note 1) "Renesas Electronics" as used in this document means Renesas Electronics Corporation and also includes its majority-owned subsidiaries. (Note 2) "Renesas Electronics product(s)" means any product developed or manufactured by or for Renesas Electronics. 以下"注意事项"为从英语原稿翻译的中文译文,仅作为参考译文,英文版的"Notice"具有正式效力。 注意事项 本文档中所记载的关于电路、软件和其他相关信息仅用于说明半导体产品的操作和应用实例。用户如在设备设计中应用本文档中的电路、软件和相关信息,请自行负责。对于用户或第三方因使用上述电路、 软件或信息而遭受的任何损失,瑞萨电子不承担任何责任。 1. 在准备本文档所记载的信息的过程中,瑞萨电子已尽量做到合理注意,但是,瑞萨电子并不保证这些信息都是准确无误的。用户因本文档中所记载的信息的错误或遗漏而遭受的任何损失,瑞萨电子不承担 任何责任。 2. 3. 4. 5. - 损失的产品 6 7. 8 9. 10 11. 12. 瑞萨电子:在本文档中指瑞萨电子株式会社及其控股子公司。 瑞萨电子产品:指瑞萨电子开发或生产的任何产品。 (注1) (注2)



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 Zh/ChunLu 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

© 2013 Renesas Electronics Corporation. All rights reserved. Colophon 2.2