

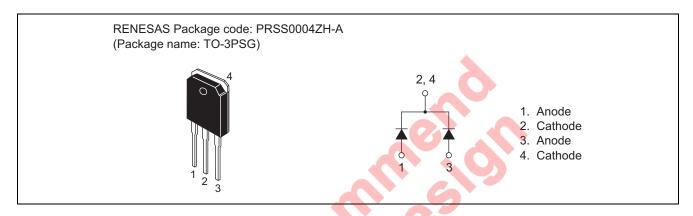
RJU6054WDPK-M0

600V - 30A - Dual Diode Ultra Fast Recovery Diode R07DS1009EJ0100 Rev.1.00 Feb 06, 2013

Features

- Ultra fast reverse recovery time: $t_{rr} = 25$ ns typ. (at $I_F = 30$ A, di/dt = 100 A/ μ s)
- Low forward voltage: $V_F = 2.5 \text{ V}$ typ. (at $I_F = 30 \text{ A}$)
- Low reverse current: $I_R = 1 \mu A \text{ max.}$ (at $V_R = 600 \text{ V}$)

Outline



Absolute Maximum Ratings

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

Item		Symbol	Ratings	Unit
Maximum reverse voltage		V_{RM}	600	V
Continuous forward current	Tc = 25°C	I _F Note	30/60	А
	Tc = 100°C	I _F Note	15/30	Α
Peak surge forward current		I _{FSM} Note	120/240	Α
Junction to case thermal resistance		θj-cd	1.1	°C/W
Junction temperature	~ CO.	Tj	150	°C
Storage temperature		Tstg	-55 to +150	°C

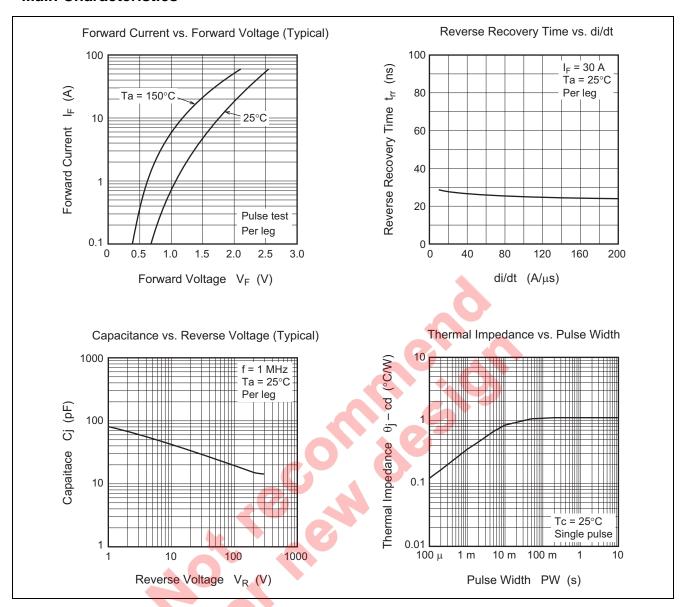
Note: Per leg/device

Electrical Characteristics

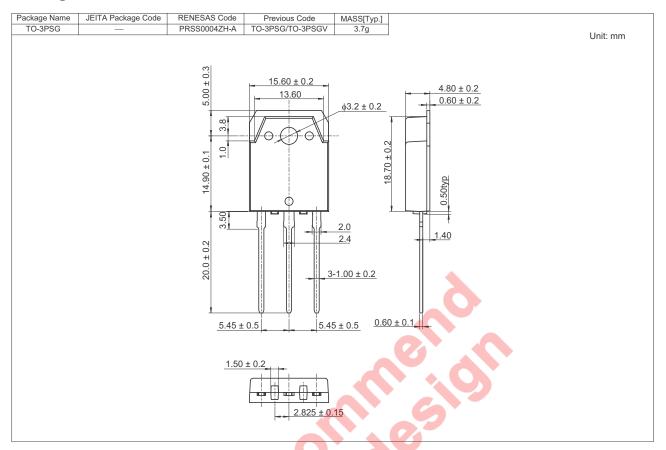
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Forward voltage	V_{F}	_	2.5	3.0	V	I _F = 30 A
Reverse current	I _R	_	_	1	μΑ	V _R = 600 V
Reverse recovery time	t _{rr}		25		ns	I _F = 30 A, di/dt = 100 A/μs

Main Characteristics



Package Dimensions



Ordering Information

Orderable Part No.	Quantity	Shipping Container	
RJU6054WDPK-M0#T0	30 pcs	Tube	

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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, Milliboard 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 Ha Tel: +86-10-8235-1155, Fax: +86-10-8235-7679 i. nunLu Haidian District. Beiiing 100083. P.R.China

Renesas Electronics (Shanghai) Co., Ltd.
Unit 204, 205, AZIA Center, No.1233 Lujiazui Ring Rd., Pudong District, Shanghai 200120, China Tel: +86-21-5877-1818, 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: +852-2868-9318, Fax: +852 2869-9022/9044

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.

тинивова специонизь манаузна эцп. Бли.
Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No. 18, Jln Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia Tel: +60-3-7955-9390, Fax: +60-3-7955-9510

Renesas Electronics Korea Co., Ltd. 11F., Samik Lavied' or Bldg., 720-2 Yeoksam-Dong, Kangnam-Ku, Seoul 135-080, Korea Tel: 482-2-558-3737, Fax: 482-2-558-5141

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