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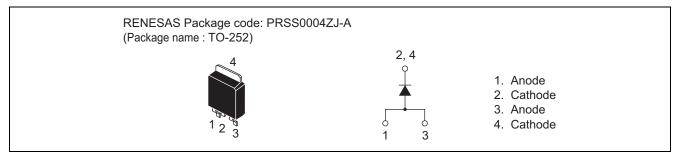
RJU3052SDPD-E0

360V - 20A - Single Diode Ultra Fast Recovery Diode R07DS0890EJ0100 Rev.1.00 Oct 29, 2012

Features

- Ultra fast reverse recovery time: $t_{rr} = 25$ ns typ. (at $I_F = 20$ A, di/dt = 100 A/µs)
- Low forward voltage: $V_F = 1.4 \text{ V typ.}$ (at $I_F = 20 \text{ A}$)
- Low reverse current: $I_R = 1 \ \mu A \ max.$ (at $V_R = 360 \ V$)

Outline



Absolute Maximum Ratings

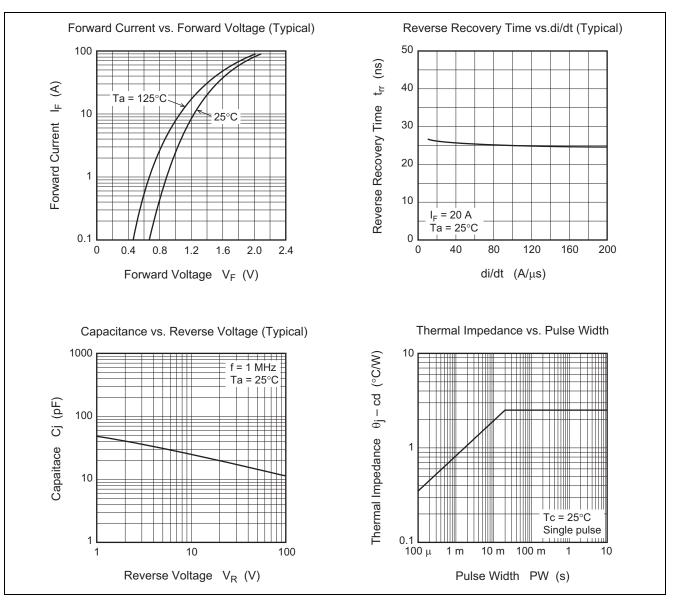
			$(Ta = 25^{\circ}C)$
ltem	Symbol	Ratings	Unit
Maximum reverse voltage	V _{RM}	360	V
Continuous forward current	l _F	20	A
Peak surge forward current	I _{FSM}	80	A
Junction to case thermal resistance	өј-с	2.5	°C/W
Junction temperature	Tj	150	٥C
Storage temperature	Tstg	-55 to +150	٥C

Electrical Characteristics

						$(Ta = 25^{\circ}C)$
ltem	Symbol	Min	Тур	Max	Unit	Test conditions
Forward Voltage	VF		1.4	1.7	V	I _F = 20 A
Reverse current	I _R	_	_	1	μΑ	V _R = 360 V
Reverse Recovery Time	t _{rr}	_	25	40	ns	I _F = 20 A, di/dt = 100 A/μs

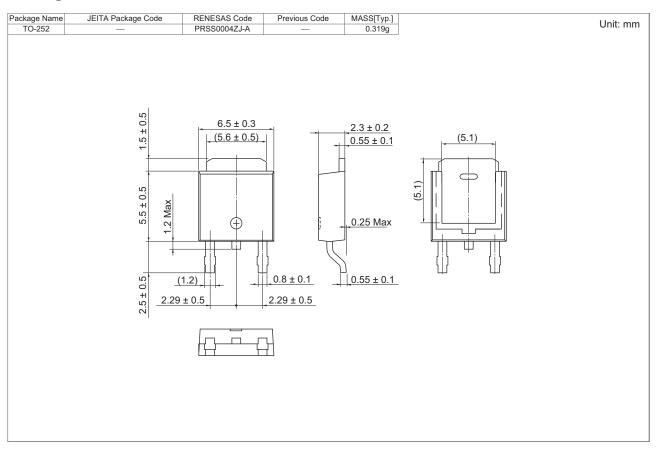


Main Characteristics





Package Dimensions



Ordering Information

Orderable Part Number	Quantity	Shipping Container
RJU3052SDPD-E0#J2	3000 pcs	Taping



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Renesas Electronics Corporation

http://www.renesas.com

Renesas Electronics America Inc.

2880 Scott Boulevard Santa Clara, CA 95050-2554, U.S.A.

Tel: +1-408-588-000, Fax: +1-408-588-6130

Renesas Electronics Canada Limited

101 Nicholson Road, Newmarkst, Ontario L3Y 9C3, Canada

Tel: +1-905-9898-5441, Fax: +1-905-898-3220

Renesas Electronics Europe Limited

Dukes Meadow, Millocard Road, Bourne End, Buckinghamshire, SL8 5FH, U.K

Tel: +49-211-65030, Fax: +44-1628-651-804

Renesas Electronics Europe GmbH

Arcadiastrasse 10, 40472 Düsseldorf, Germany

Tel: +92-211-65030, Fax: +449-211-6503-1327

Renesas Electronics (Shanghal) Co., Ltd.

7th Floor, Quantum Plaza, No.27 ZhiChunLu Haidian District, Beijing 100083, P.R.China

Tel: +86-21-657-1518, Fax: +86-21-08235-7679

Renesas Electronics (Shanghal) Co., Ltd.

Unit 204, 205, AZIA Center, No.1233 Lujiazu Ring Rd., Pudong District, Shanghai 200120, China

Tel: +86-27-8587-7858 / -7889

Renesas Electronics Taiwan Co., Ltd.

Unit 1001-1613, 16/F., Tower 2, Grand Century Place, 193 Prince Edward Road West, Mongkok, Kowloon, Hong Kong

Tel: +85-2886-9318, Fax: +852 2886-9022/9044

Renesas Electronics Taiwan Co., Ltd.

137, No. 33, Fu Shing North Road, Taipei, Taiwan

Tel: +85-24175-9900, Fax: +8862 24175-9907

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