

RKR0703BKH

Silicon Schottky Barrier Diode for Rectifying

REJ03G1495-0200 Rev.2.00 Apr 22, 2008

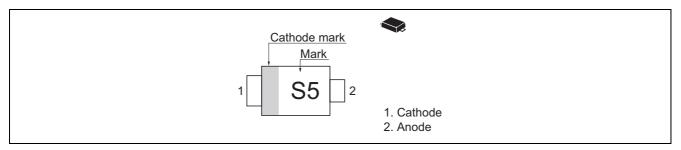
Features

- Low reverse current and suitable for high efficiency rectifying.
- Thin Ultra small Resin Package (TURP) is suitable for high density surface mounting and high speed assembly.

Ordering Information

Part No.	Laser Mark	Package Name	Package Code	
RKR0703BKH	S5	TURP	PUSF0002ZC-A	

Pin Arrangement



Absolute Maximum Ratings

		$(Ta = 25^{\circ}C)$
Symbol	Value	Unit
V _{RRM}	30	V
V _R	30	V
lo * ¹ * ²	0.7	А
I _{FSM} * ³	3	А
Tj	150	°C
Tstg	-55 to +150	°C
	V_{RRM} V_{R} $I_{0} *^{1} *^{2}$ $I_{FSM} *^{3}$ T_{j}	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

Notes: 1. See from Fig.6 with Glass epoxy board.

2. Ta = 30°C, With Glass epoxy board (board size: 50 mm \times 50 mm, Land size 6 mm \times 6 mm) Short form wave (θ 180°C), V_R = 15 V.

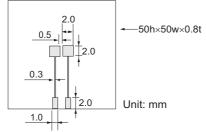
3. 10 ms sine wave 1 pulse.

Electrical Characteristics

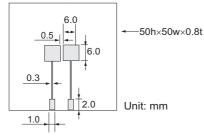
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}		—	0.37	V	I _F = 100 mA
	V _{F2}		—	0.55		I _F = 700 mA
Reverse current	I _{R1}		—	10	μA	$V_R = 5 V$
	I _{R2}		—	50		V _R = 30 V
Capacitance	С		—	20	pF	V _R = 10 V, f = 1 MHz
Thermal resistance	Rth(j-a)	_	100	—	°C/W	Ceramics board *1
		_	200	—		Glass epoxy board * ²

Notes: 1. Ceramics board

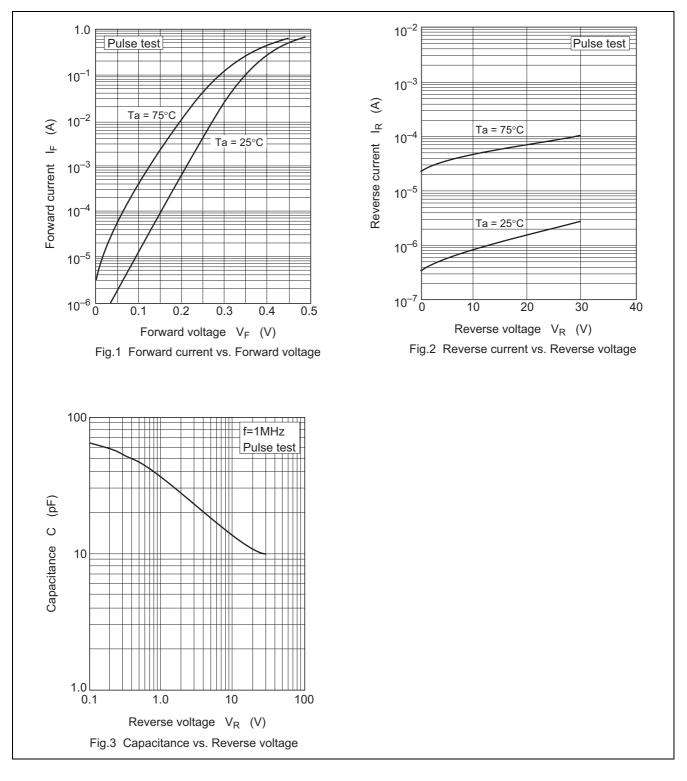


2. Glass epoxy board

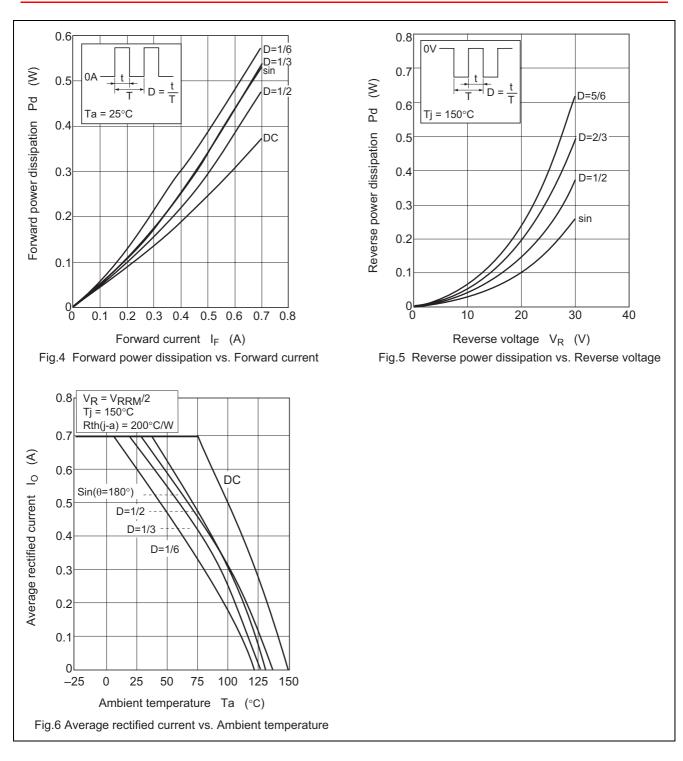


3. TURP is the structure which radiates heat to a substrate, please perform mounting to a substrate by reflow.

Main Characteristics

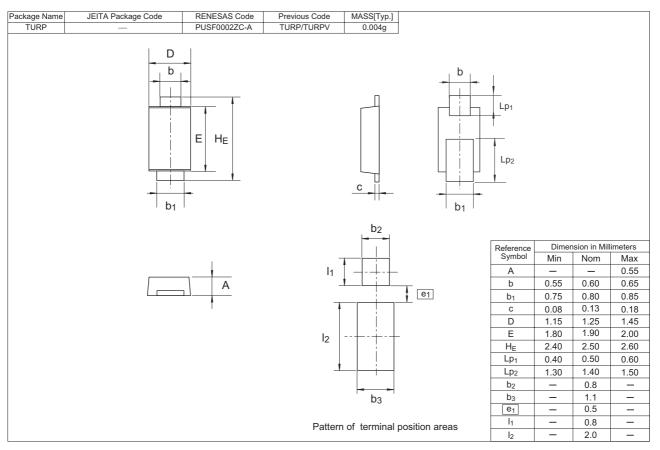


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Package Dimensions



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Renesas Technology America, Inc.

450 Holger Way, San Jose, CA 95134-1368, U.S.A Tel: <1> (408) 382-7500, Fax: <1> (408) 382-7501

Renesas Technology Europe Limited Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5FH, U.K. Tel: <44> (1628) 585-100, Fax: <44> (1628) 585-900

Renesas Technology (Shanghai) Co., Ltd. Unit 204, 205, AZIACenter, No.1233 Lujiazui Ring Rd, Pudong District, Shanghai, China 200120 Tel: <86> (21) 5877-1818, Fax: <86> (21) 6887-7858/7898

Renesas Technology Hong Kong Ltd. 7th Floor, North Tower, World Finance Centre, Harbour City, Canton Road, Tsimshatsui, Kowloon, Hong Kong Tel: <852> 2265-6688, Fax: <852> 2377-3473

Renesas Technology Taiwan Co., Ltd. 10th Floor, No.99, Fushing North Road, Taipei, Taiwan Tel: <886> (2) 2715-2888, Fax: <886> (2) 3518-3399

Renesas Technology Singapore Pte. Ltd.

1 Harbour Front Avenue, #06-10, Keppel Bay Tower, Singapore 098632 Tel: <65> 6213-0200, Fax: <65> 6278-8001

Renesas Technology Korea Co., Ltd. Kukje Center Bldg. 18th Fl., 191, 2-ka, Hangang-ro, Yongsan-ku, Seoul 140-702, Korea Tel: <82> (2) 796-3115, Fax: <82> (2) 796-2145

Renesas Technology Malaysia Sdn. Bhd Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No.18, Jln Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia Tel: <603> 7955-9390, Fax: <603> 7955-9510

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