

RKR0703BKH

Silicon Schottky Barrier Diode for Rectifying

REJ03G1495-0200 Rev.2.00 Apr 22, 2008

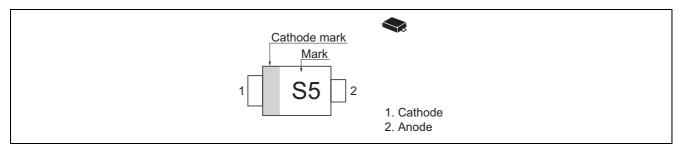
Features

- 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

			$(Ta = 25^{\circ}C)$
Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V _{RRM}	30	V
Reverse voltage	V _R	30	V
Average rectified current	lo * ^{1 *2}	0.7	А
Non-Repetitive peak forward surge current	I _{FSM} * ³	3	А
Junction temperature	Тј	150	°C
Storage temperature	Tstg	-55 to +150	°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.

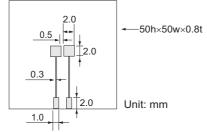
3. 10 ms sine wave 1 pulse.

Electrical Characteristics

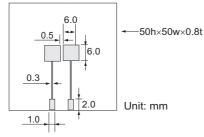
(Ta = 25°C)

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

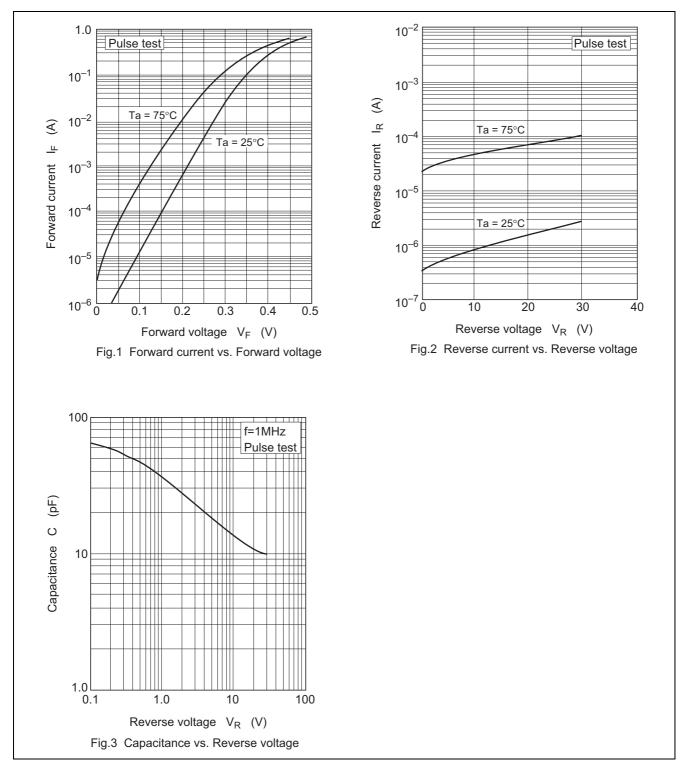


2. Glass epoxy board

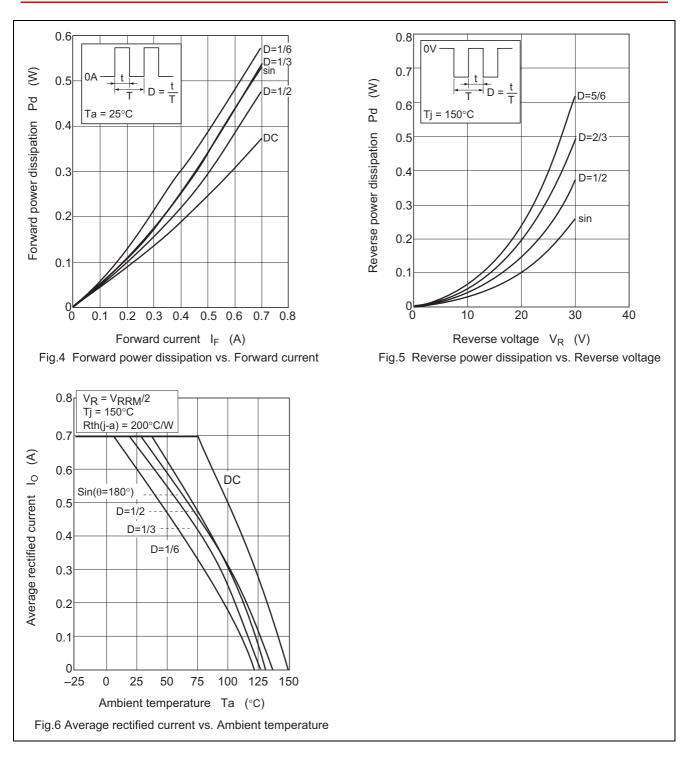


3. TURP is the structure which radiates heat to a substrate, please perform mounting to a substrate by reflow.

Main Characteristics

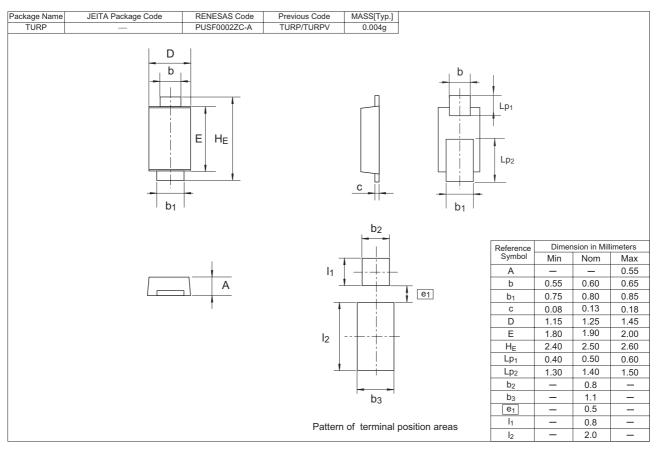


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Package Dimensions



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