RB088T150

### Application

ROHM

Switching power supply

### Features

- 1) Cathode common dual type
- 2) Low I<sub>R</sub>
- 3) High reliability
- 4) AEC-Q101 qualified (Limited to HR Type)

### Construction

Silicon epitaxial planar



12.0±0.2

13.5MIN

8.0±0.2

 $5.0 \pm 0.2$ 

Manufacture Date

 $10.0 \pm 0.3$ 

Ц

0R

(1) (2) (3)

1

 $2.54 \pm 0.5$ 

ROHM : TO220FN

1.2

1.3

0.8

RB088

0.1

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(1)

4.5±0.3 0.1

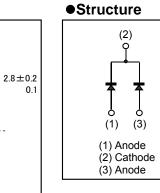
0.2

0.75±0.1

0.05

 $2.6 \pm 0.5$ 

15.0±0.4



## ●Absolute maximum ratings (Ta = 25°C)

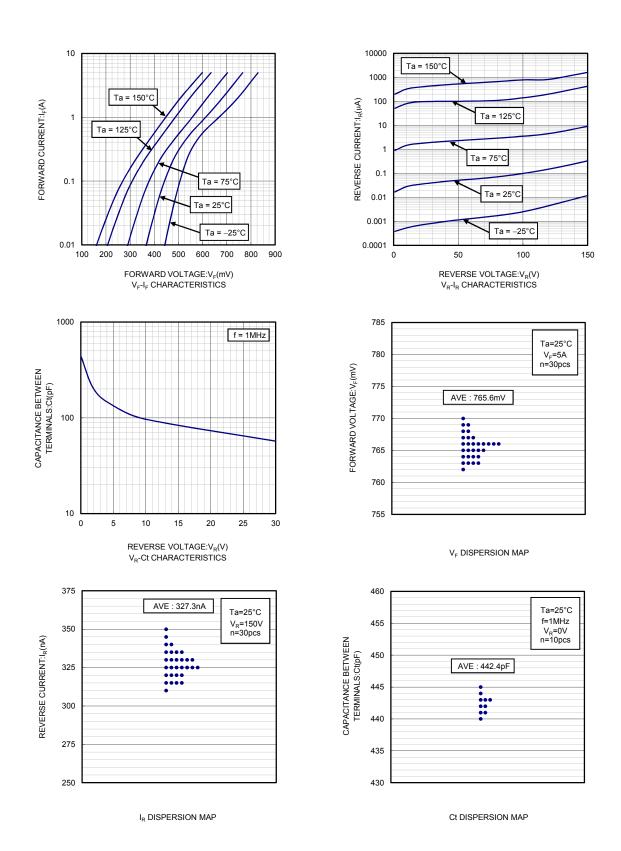
Parameter	Symbol	Limits	Unit				
Reverse voltage (repetitive peak)	$V_{RM}$	150	V				
Reverse voltage (DC)	$V_{R}$	150	V				
Average rectified forward current (*1)	lo	10	А				
Forward current surge peak (60Hz · 1cyc)(*2)	I <sub>FSM</sub>	50	А				
Junction temperature	Tj	150	°C				
Storage temperature	Tstg	-55 to +150	°C				

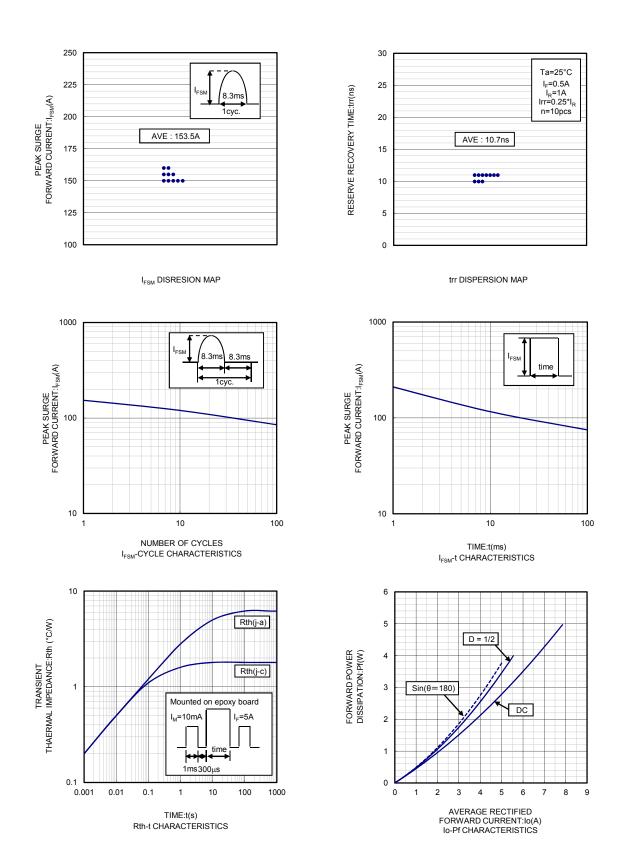
(\*1) 1/2 lo per Diode. Mounting on epoxi board. 180°Half sine wave

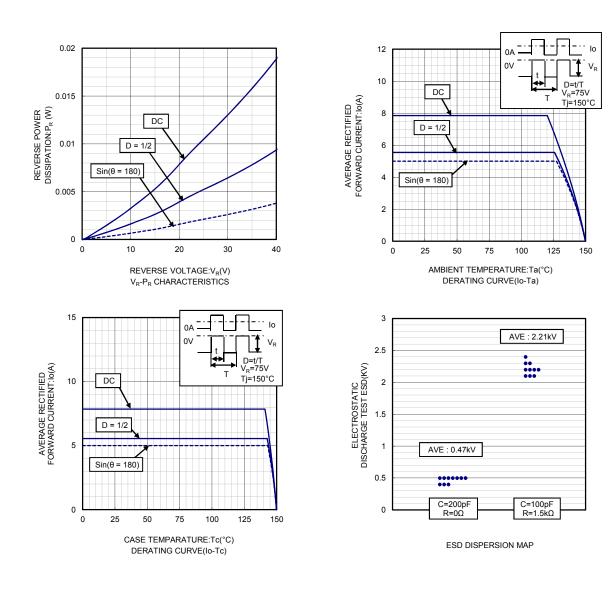
(\*2) Per Diode.

#### •Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	0.78	0.88	V	I <sub>F</sub> =5.0A
Reverse current	I <sub>R</sub>	-	-	15	μA	V <sub>R</sub> =150V
Thermal resistance	Rth(j-c)	-	-	2	°C/W	junction to case







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2)	Before you use our Products, please contact our sales representative and verify the latest specifica- tions :				
3)	Although ROHM is continuously working to improve product reliability and quality, semical ductors can break down and malfunction due to various factors. Therefore, in order to prevent personal injury or fire arising from failure, please take safe measures such as complying with the derating characteristics, implementing redundant a fire prevention designs, and utilizing backups and fail-safe procedures. ROHM shall have responsibility for any damages arising out of the use of our Poducts beyond the rating specified ROHM.				
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