# Schottky barrier diode RB085T-90

## Applications

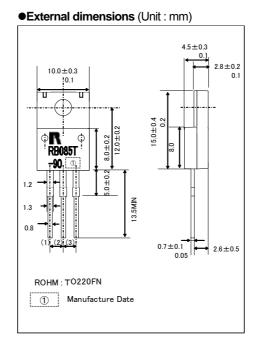
Switching power supply

## ● Features

- 1) Cathode common type. (TO-220)
- 2) Low IR
- 3) High reliability

#### **●**Construction

Silicon epitaxial planar



# ●Structure



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

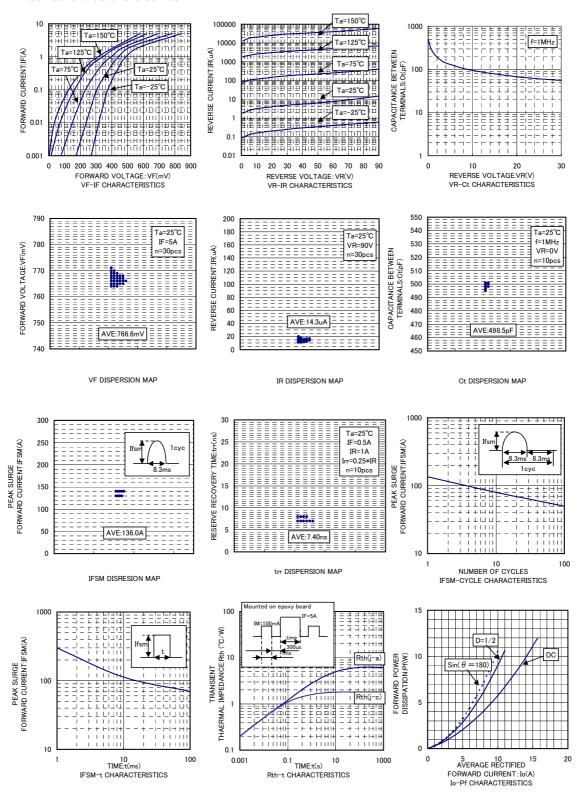
Limits	Unit
	Oill
90	V
90	V
10	Α
100	Α
150	°C
-40 to +150	°C
	90 90 10 100 150

<sup>(\*1)</sup>Tc=100°Cmax Per chip: lo/2

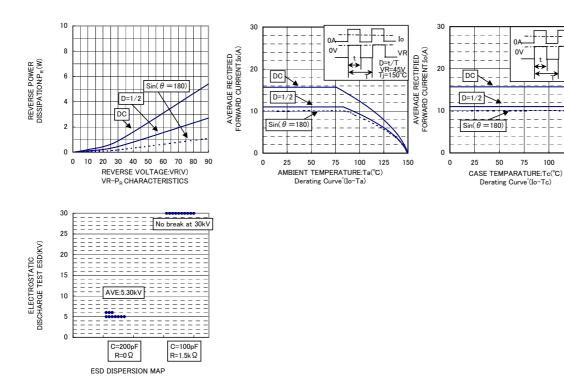
## ●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward characteristics	$V_{F}$	-	-	0.83	V	I <sub>F</sub> =5A
Reverse characteristics	I <sub>R</sub>	-	-	150	μA	V <sub>R</sub> =90V
Thermal impedance	θјс	-	-	2.5	°C/W	junction to case

#### ●Electrical characteristic curves



100 125 150



Rev.B

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