# Schottky barrier diode RB085T-60

# Applications

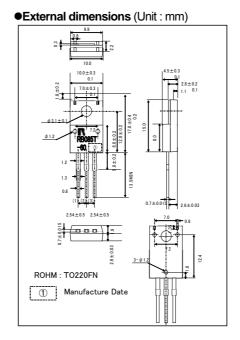
Switching power supply

# ● Features

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

## **●**Construction

Silicon epitaxial planar





● Absolute maximum ratings (Ta=25°C)

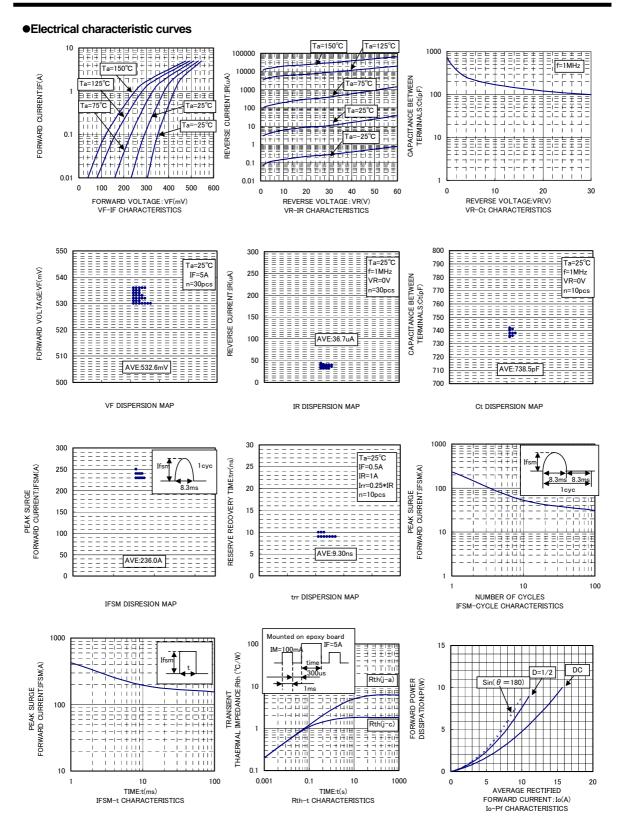
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	60	V
Reverse voltage (DC)	$V_R$	60	V
Average rectified forward current (*1)	lo	10	Α
Forward current surge peak (60Hz•1cyc) (*1)	I <sub>FSM</sub>	100	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

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

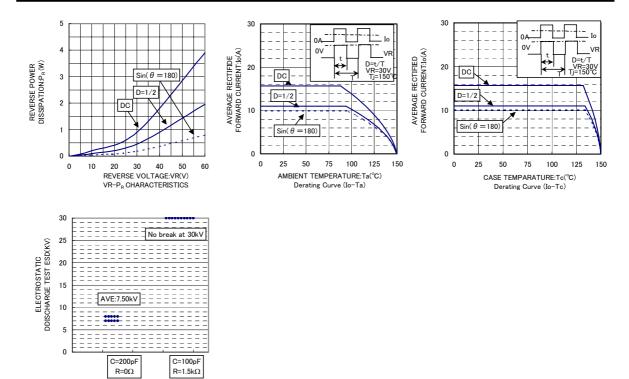
# ●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	-	0.58	V	I <sub>F</sub> =5A
Reserve current	I <sub>R</sub>	-	-	300	μA	V <sub>R</sub> =60V
Thermal impedance	θјс	-	-	2.5	°C/W	junction to case

Rev.A



ESD DISPERSION MAP



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