# Diodes

# Schottky barrier diode **RB085T-60**

Applications

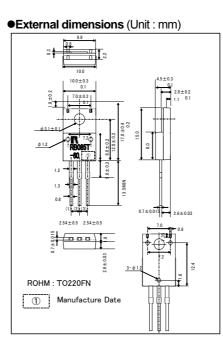
Switching power supply

# 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 <sub>RM</sub>	60	V	
Reverse voltage (DC)	V <sub>R</sub>	60	V	
Average rectified forward current (*1)	lo	10	А	
Forward current surge peak (60Hz · 1cyc) (*1)	I <sub>FSM</sub>	100	А	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-40 to +150	°C	
(*1)Tc=100°Cmax Per chip lo/2			-	

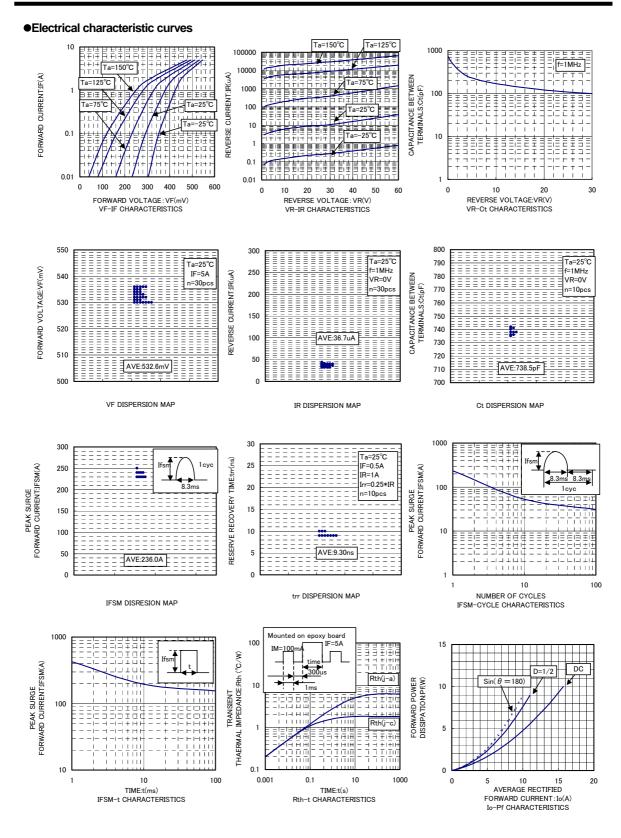
(\*1)Tc=100°Cmax Per chip : Io/2

# •Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	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



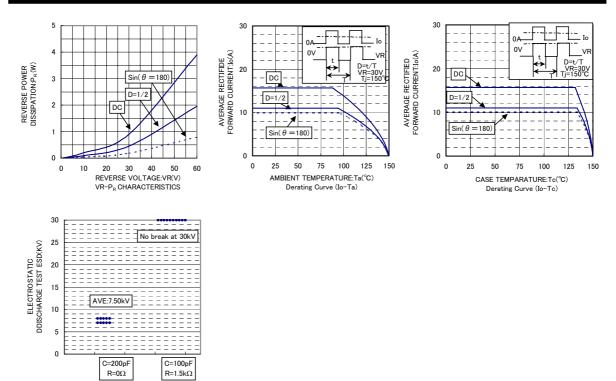
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# RB085T-60





ESD DISPERSION MAP

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