

# Schottky barrier diode

# RB085T-60

## Applications

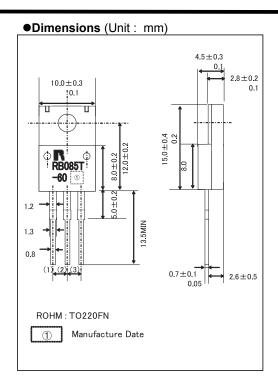
Switching power supply

#### Features

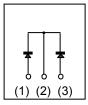
Cathode common type.
(TO-220)
Low I<sub>R</sub>
High reliability

#### Construction

Silicon epitaxial planer



#### Structure



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

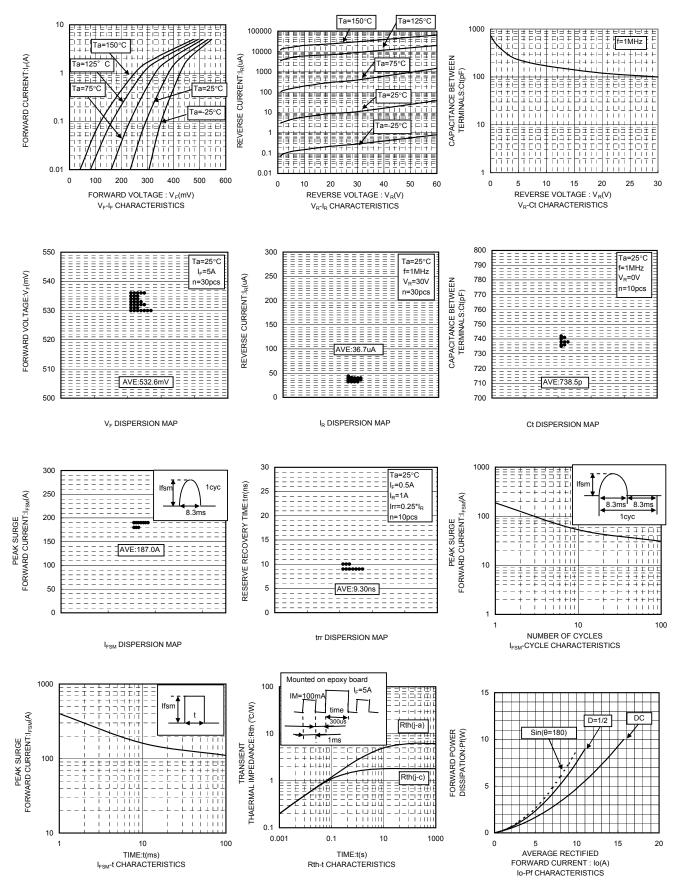
5 ( )			
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V <sub>RM</sub>	60	V
Reverse voltage (DC)	V <sub>R</sub>	60	V
Average rectified forward current (*1)	lo	10	А
Forward current surge peak (60Hz / 1cyc) (*1)	I <sub>FSM</sub>	100	А
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

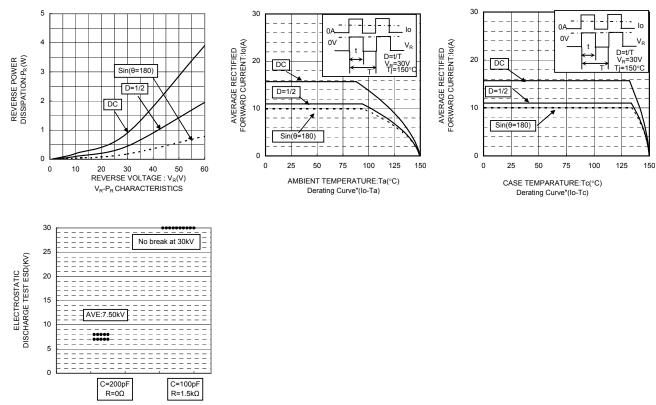
(\*1)Business frequencies, Rating of R-load, 1/2 lo per diode, Tc=130°C

# •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
Reverse current	I <sub>R</sub>	-	-	300	μA	V <sub>R</sub> =60V
Thermal impedance	θјс	-	-	2.5	°C/W	junction to case

#### •Electrical characteristic curves





ESD DISPERSION MAP

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