Diodes

Schottky barrier diode **RB085T-60**

Applications

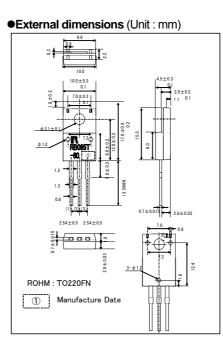
Switching power supply

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

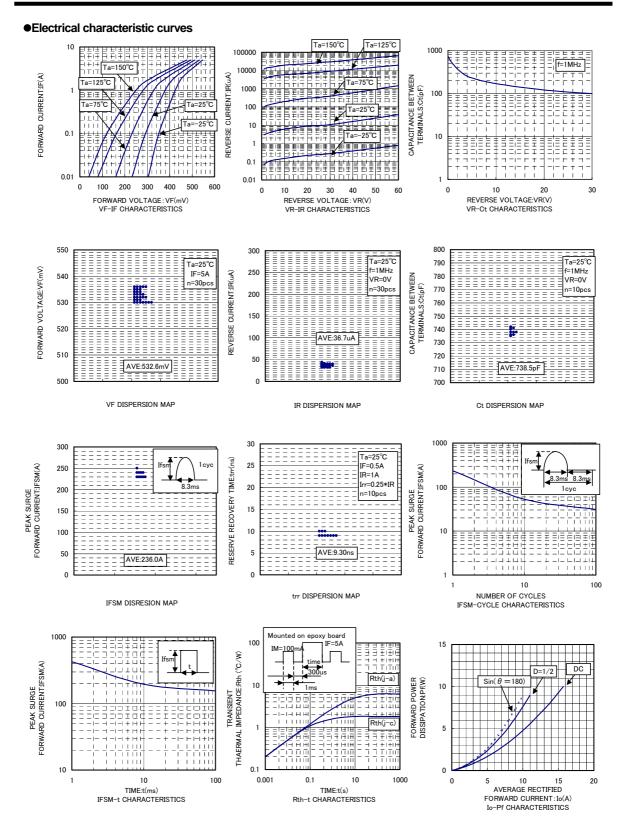
(*1)Tc=100°Cmax Per chip : Io/2

•Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.58	V	I _F =5A
Reserve current	I _R	-	-	300	μA	V _R =60V
Thermal impedance	θјс	-	-	2.5	°C/W	junction to case



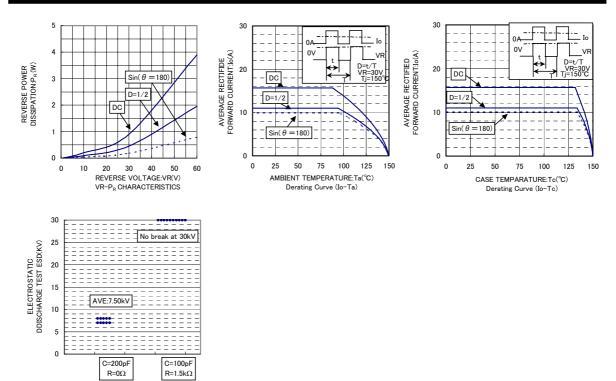
Diodes



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RB085T-60





ESD DISPERSION MAP

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