Structure

Schottky barrier diode RB085T-60

Applications

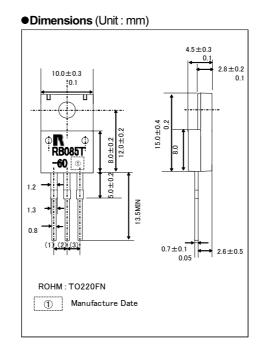
Switching power supply

Features

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

Construction

Silicon epitaxial planar



Absolute maximum ratings (Ta=25°C)

	1.1 .14		
Symbol	Limits	Unit V	
V _{RM}	60		
V _R	60	V	
lo	10	А	
I _{FSM}	100	А	
Tj	150	°C	
Tstg	-40 to +150	°C	
	V _R Io I _{FSM} Tj	V _{RM} 60 V _R 60 Io 10 I _{FSM} 100 Tj 150	

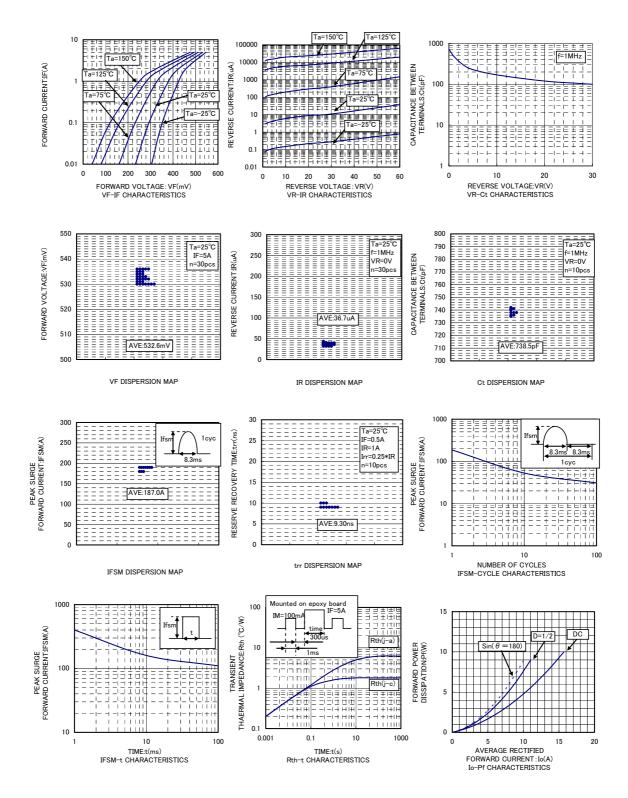
(*1)Business frequencies, Rating of R-load, 1/2 lo per diode, Tc=130°C

•Electrical characteristic (Ta=25°C)

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

Diodes

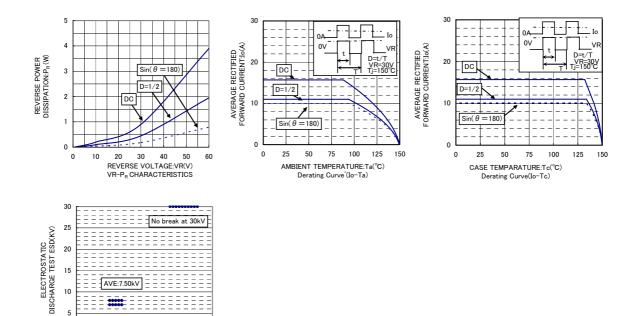
Electrical characteristic curves



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2/3

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C=200pF R=0Ω ESD DISPERSION MAP

C=100pF R=1.5kΩ

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Appendix1-Rev2.0

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