Schottky barrier diode RB205T-60

Applications

Switching power supply

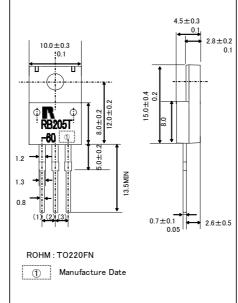
● Features

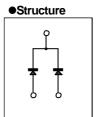
- 1) Cathode common type. (TO-220)
- 2) Low IR
- 3) High reliability

●Construction

Silicon epitaxial planar

●External dimensions (Unit : mm)





● 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	15	Α
Forward current surge peak (60Hz · 1cyc)(*1)	I _{FSM}	100	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

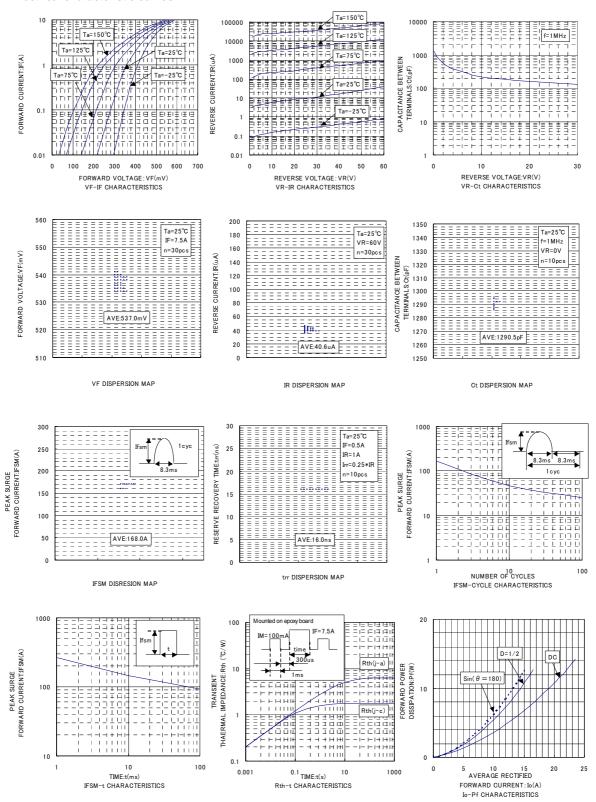
^(*1)Tc=100°Cmax Per chip: lo/2

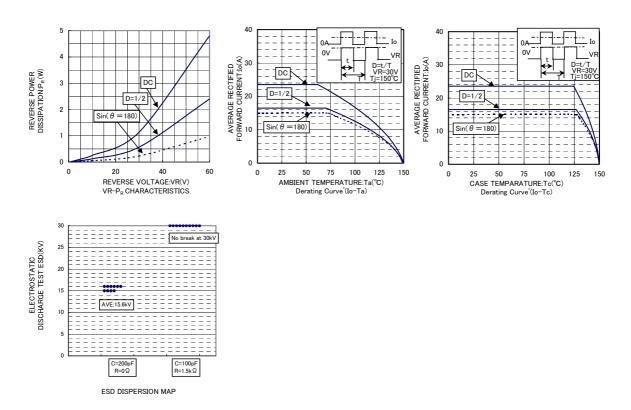
●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	0.58	V	I _F =7.5A
Reverse current	I _R	-	-	600	μA	V _R =60V
Thermal impedance	θјс	-	-	2.0	°C/W	junction to case

Rev.B

Electrical characteristic curves





Rev.B

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