

Schottky barrier diode

RB215T-60

●Applications

Switching power supply

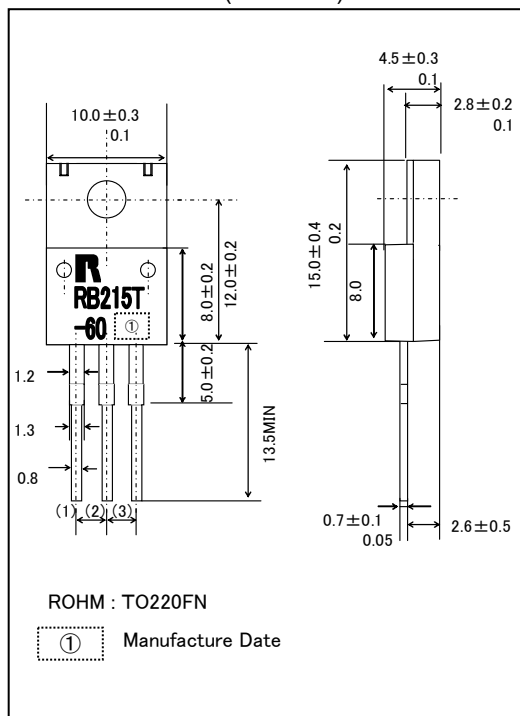
●Features

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

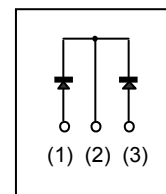
●Construcion

Silicon epitaxal planar

●Dimensions (Unit : mm)



●Structure



●Absolute maximum ratings (Ta=25°C)

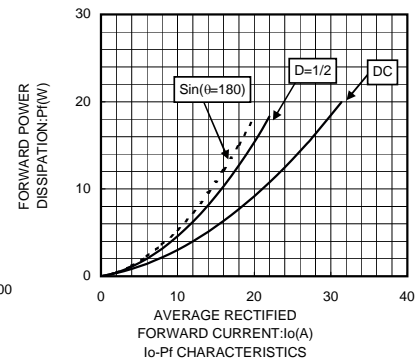
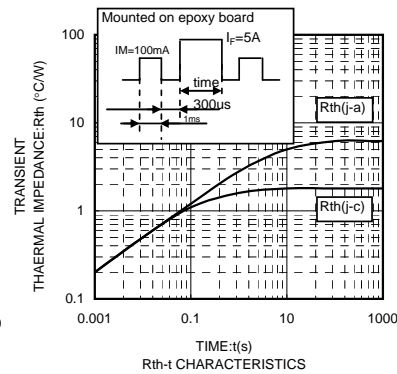
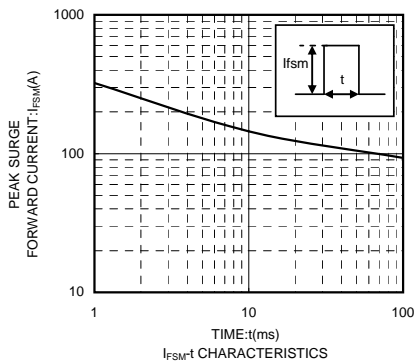
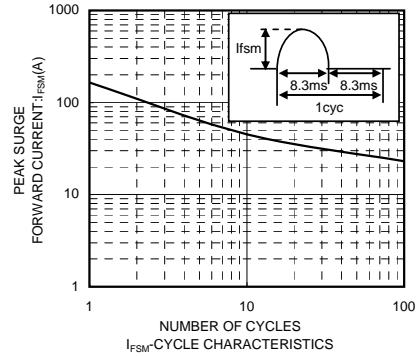
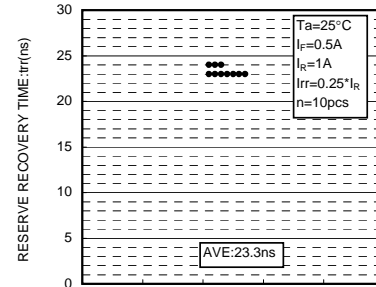
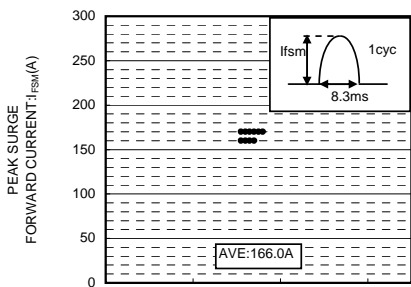
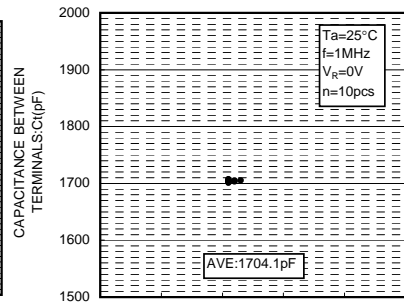
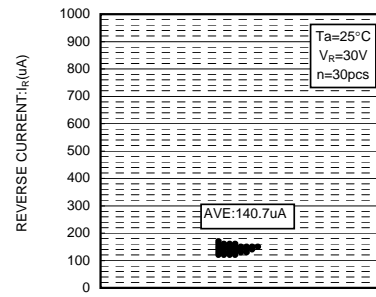
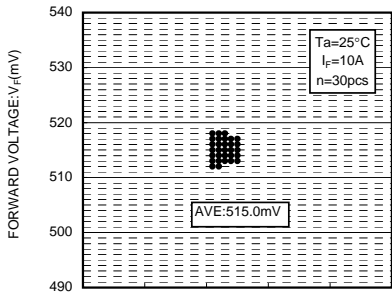
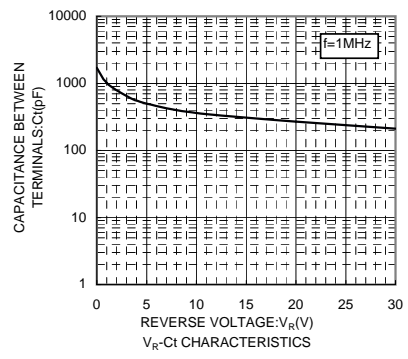
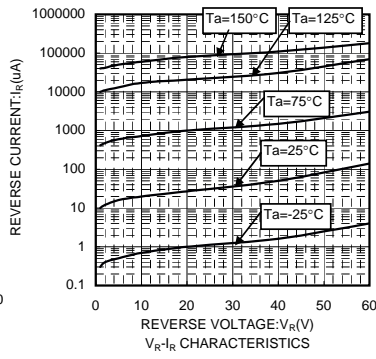
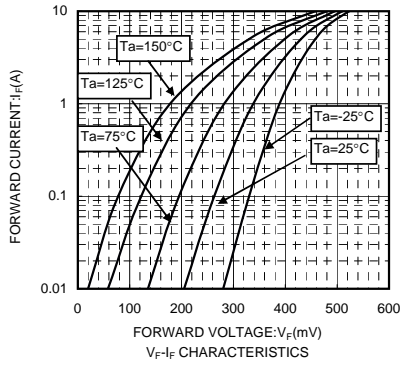
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	60	V
Reverse voltage (DC)	V_R	60	V
Average rectified forward current(*1)	I_o	20	A
Forward current surge peak (60Hz/1cyc) (*1)	I_{FSM}	100	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

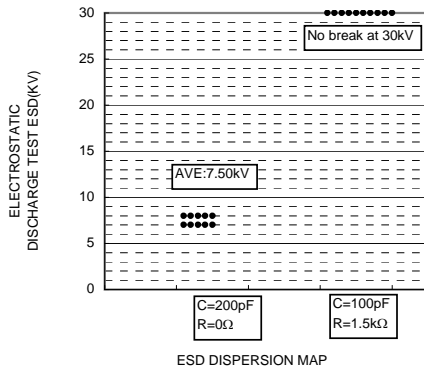
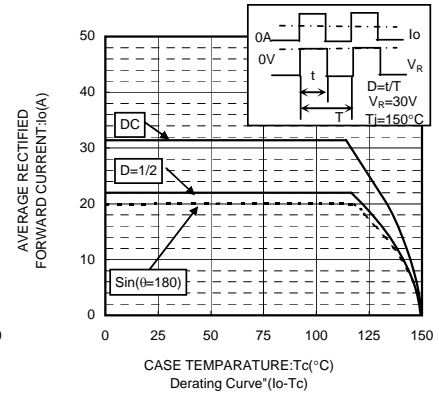
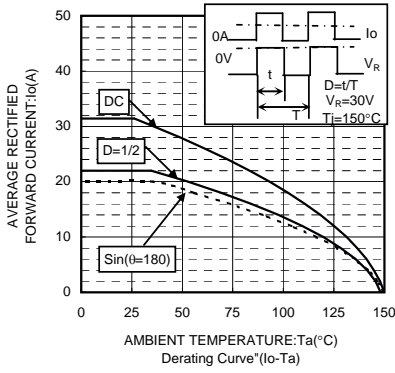
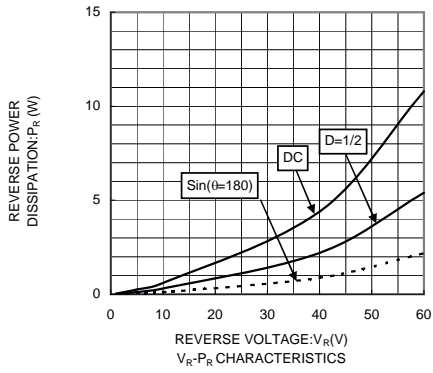
(*1)Business frequencies, Rating of R-load, 1/2 I_o per diode, Ta=116°C

●Electrical characteristic(Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.58	V	$I_F=10A$
Reverse current	I_R	-	-	600	μA	$V_R=60V$
Thermal impedance	θ_{jc}	-	-	1.75	°C/W	junction to case

●Electrical characteristics curves





Notes

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