

Schottky barrier diode

RB215T-90

●Applications

General rectification
(Common cathode dual chip)

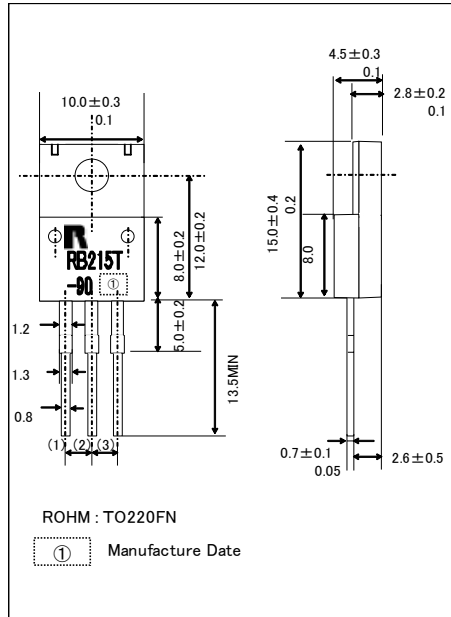
●Features

- 1) Small power mold type.
(PMDU)
- 2) Low IR
- 3) High reliability

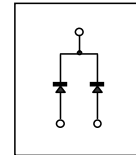
●Construction

Silicon epitaxial planar

●Dimensions (Unit : mm)



●Structure



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	90	V
Reverse voltage (DC)	V_R	90	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

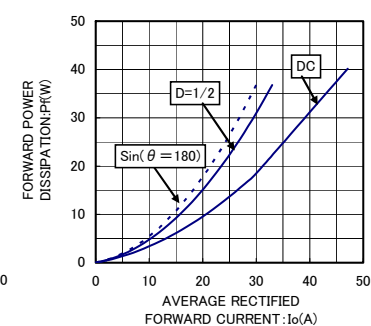
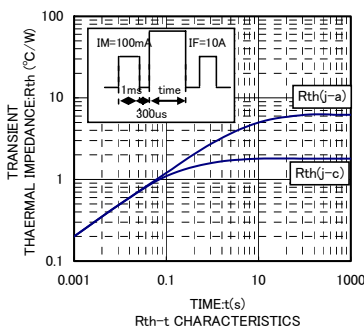
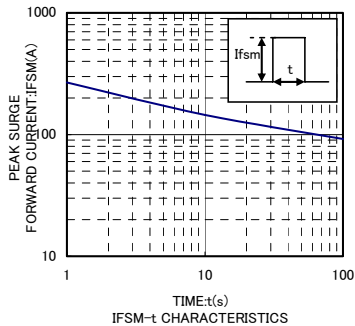
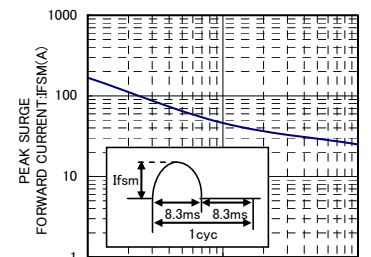
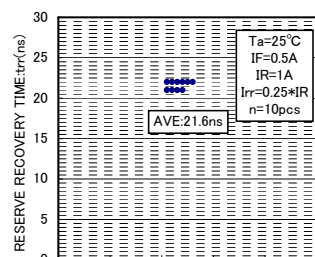
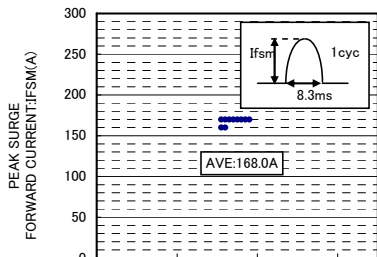
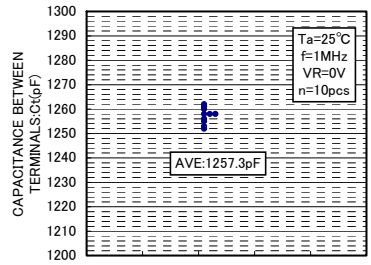
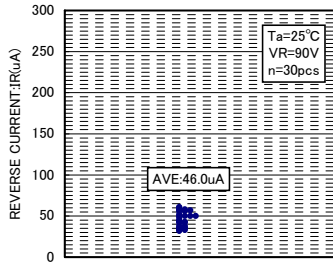
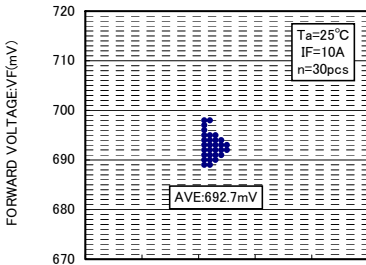
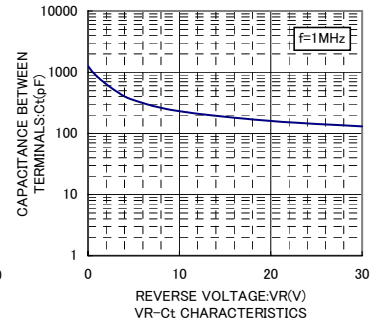
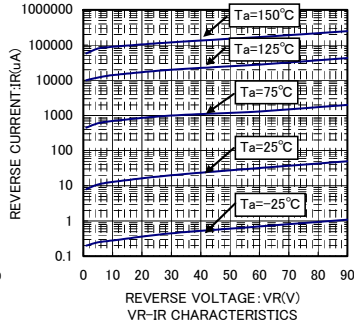
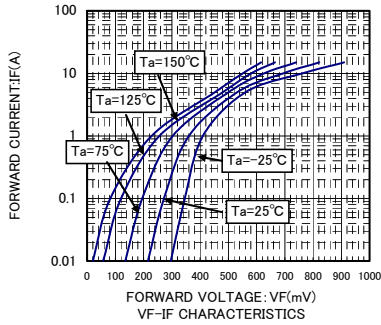
(*1)Business frequencies, Rating of R-load, 1/2 I_o per diode, $T_c=110^\circ\text{C}$

●Electrical characteristic (Ta=25°C)

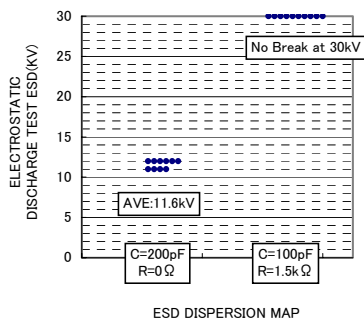
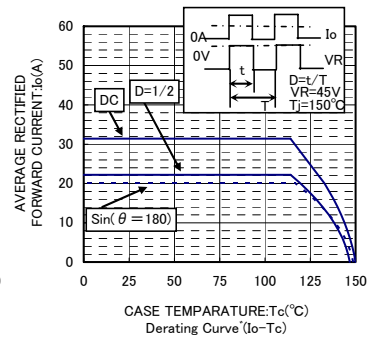
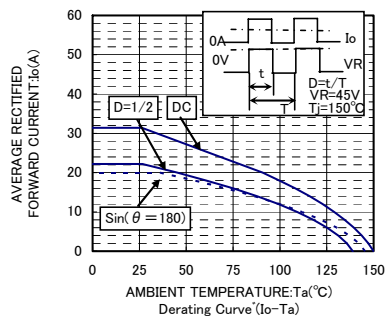
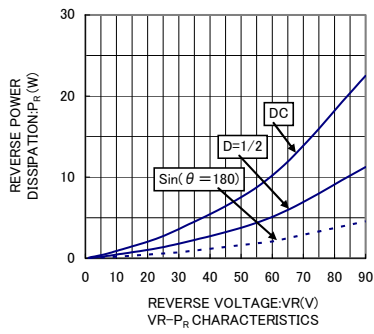
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward characteristics	V_F	-	-	0.75	V	$I_F=10\text{A}$
Reverse characteristics	I_R	-	-	400	μA	$V_R=90\text{V}$
Thermal impedance	θ_{jc}	-	-	1.75	°C/W	junction to case

Diodes

●Electrical characteristic curves



Diodes



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