

Schottky barrier diode

RB225T100

Applications

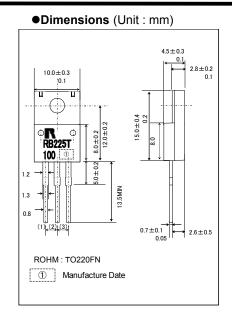
Switching power supply

● Features

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

●Construction

Silicon epitaxial planar





●Absolute maximum ratings (Ta=25°C)

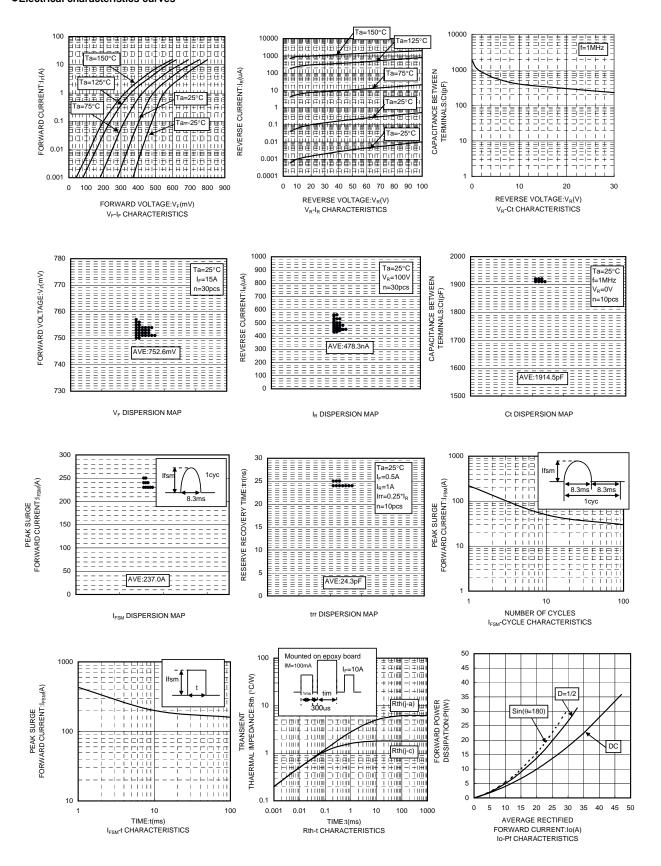
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	110	V
Reverse voltage (DC)	V_R	110	V
Average rectified forward current(*1)	lo	30	Α
Forward current surge peak (60Hz/1cyc) (*1)	I _{FSM}	100	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

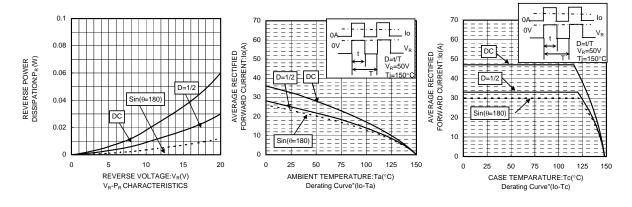
^(*1)Business frequencies, Rating of R-load, 1/2 lo per diode, Ta=99°C

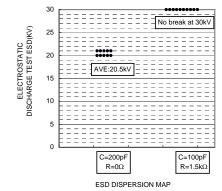
●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions	
Forward voltage	V_{F}	-	-	0.86	V	I _F =15A	
Reverse current	I _R	-	-	400	μA	V _R =100V	
Thermal impedance	θјс	-	-	1.75	°C/W	junction to case	

•Electrical characteristics curves







Notes

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