

# Schottky barrier diode

# RB225T100

#### Applications

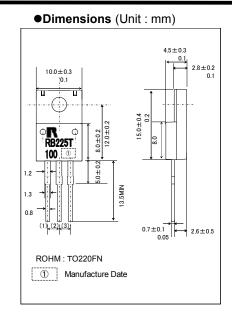
Switching power supply

#### ● Features

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

# **●**Construction

Silicon epitaxial planar





# ●Absolute maximum ratings (Ta=25°C)

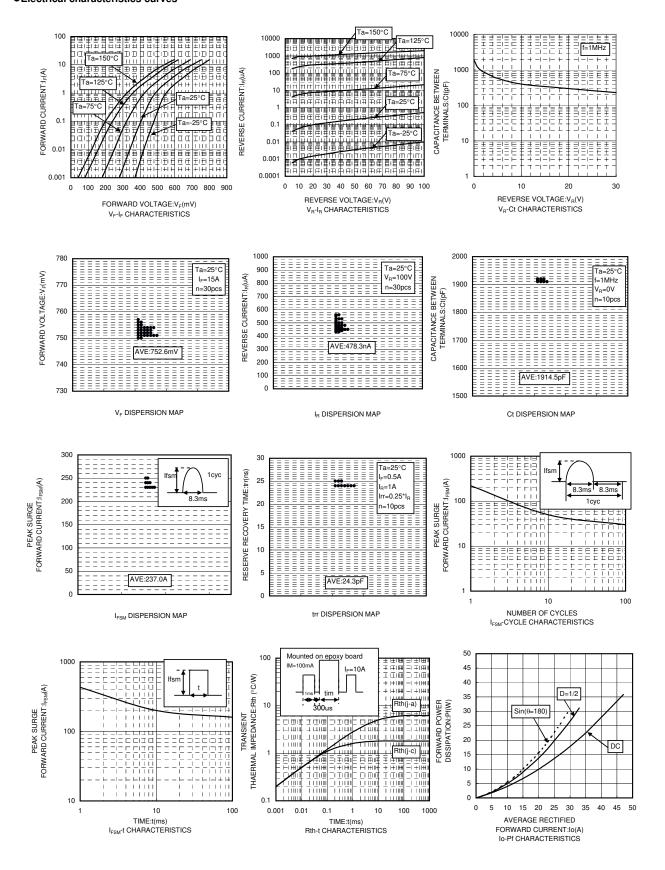
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	110	V
Reverse voltage (DC)	$V_R$	110	V
Average rectified forward current(*1)	lo	30	Α
Forward current surge peak (60Hz/1cyc) (*1)	I <sub>FSM</sub>	100	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

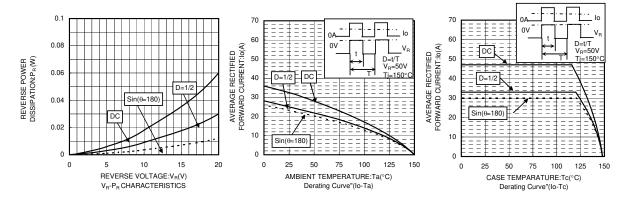
<sup>(\*1)</sup>Business frequencies, Rating of R-load, 1/2 lo per diode, Ta=99°C

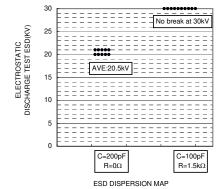
# ●Electrical characteristic (Ta=25°C)

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

#### •Electrical characteristics curves







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