

# Schottky Barrier Diode

# **RB228NS100**

### Applications

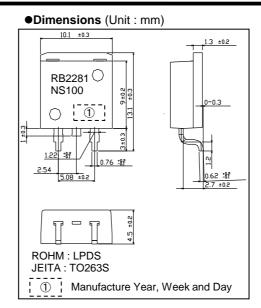
Switching power supply

#### Features

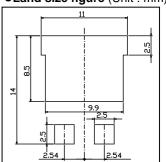
- 1)Cathode common type.
- 2)Low I<sub>R</sub>
- 3)High reliability
- 4)AEC-Q101 qualified

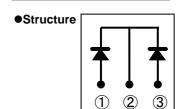
### **●**Construction

Silicon epitaxial planer

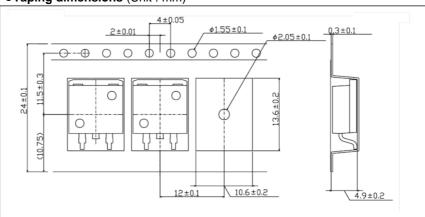


# ●Land size figure (Unit : mm)





## ●Taping dimensions (Unit : mm)



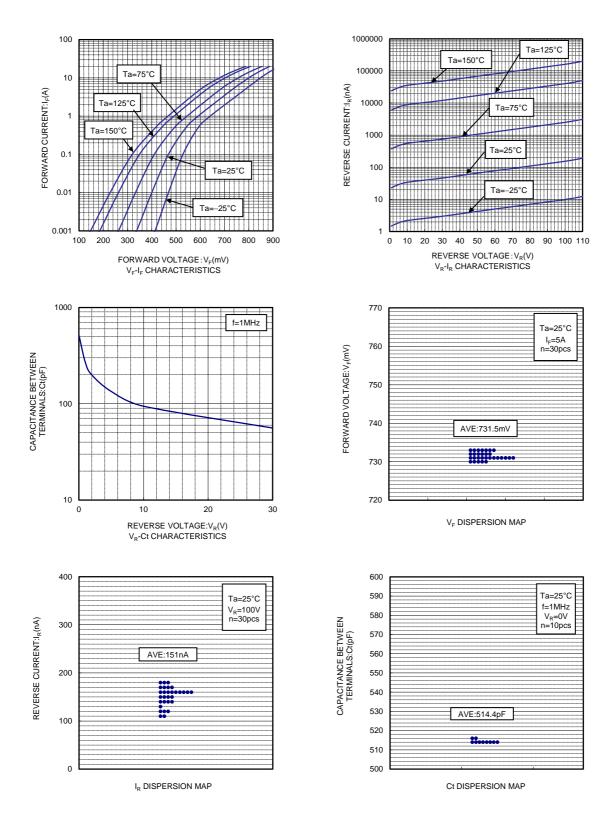
### ●Absolute maximum ratings (Tc=25°C)

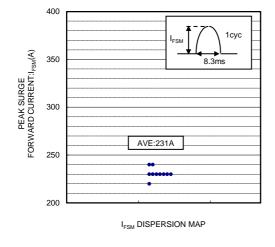
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	$V_{RM}$	110	V
Reverse voltage (DC)	$V_R$	100	V
Average rectified forward current (*1)	lo	30	Α
Forward current surge peak (60Hz • 1cyc) (*1)	I <sub>FSM</sub>	100	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

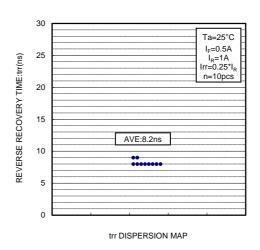
<sup>(\*1)</sup> Rating of per diode: Io/2

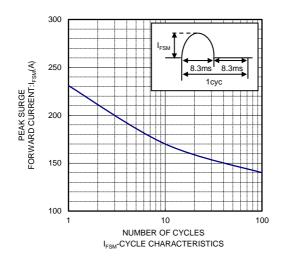
# ●Electrical characteristics (Tj=25°C)

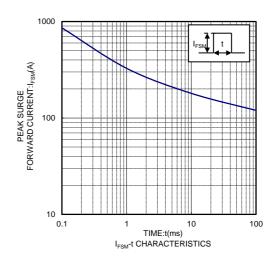
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	-	0.87	V	I <sub>F</sub> =5A
Reverse current	$I_R$	-	-	0.15	mA	V <sub>R</sub> =100V
Thermal impedance	θјс	-	-	2.00	°C/W	junction to case

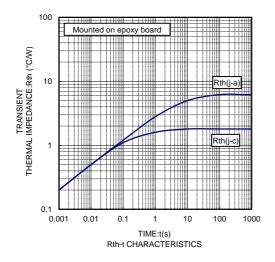


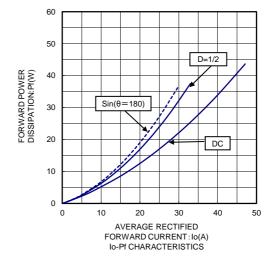


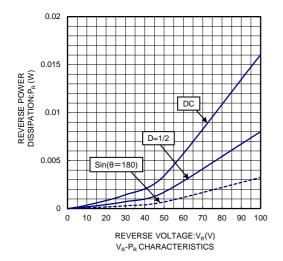


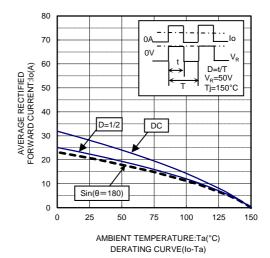


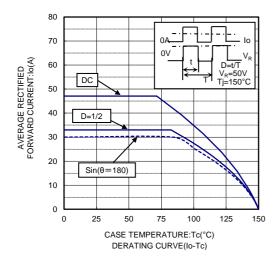


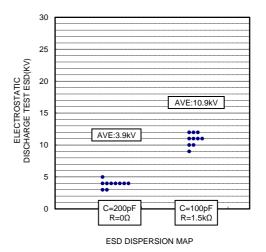












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