Schottky Barrier Diode RB225NS-40

Datasheet

## Application

ROHM

General rectification

## Features

- 1) Cathode common dual type. (LPDS)
- 2) Low  $I_R$

# Construction

#### Silicon epitaxial planar

•Dimensions (Unit : mm)

9±0.2

 $0.76 \substack{+0.2 \\ -0.1}$ 

10.1±0.3

RB225 C NS40

5.08±0.2

**ROHM : LPDS** 

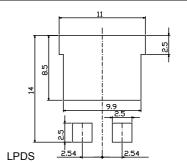
JEITA : TO263S

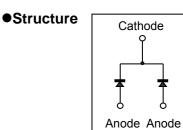
0

I±0.3

(1)

•Land size figure (Unit : mm)

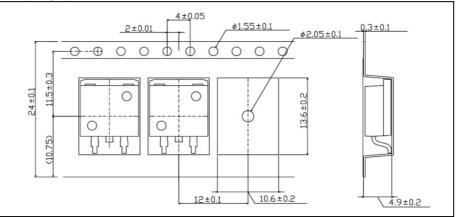




# • **Taping specifications** (Unit : mm)

1 Manufactuare Year, Week and Day

 $4.5 \pm 0.2$ 



1.3±0.2

0~0.3

 $0.62 \pm 0.2 \\ -0.1$ 

7±0.2

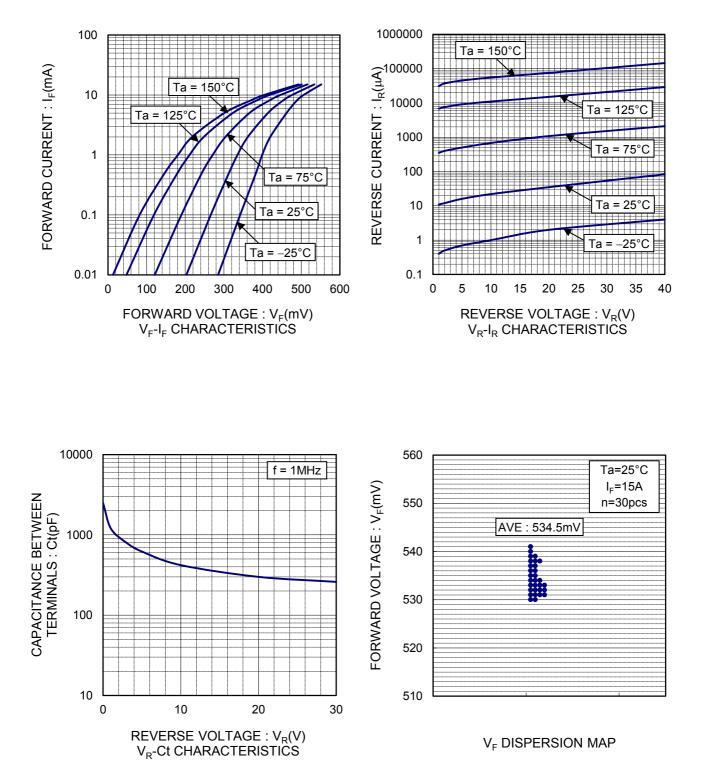
## •Absolute maximum ratings (Tc= 25°C)

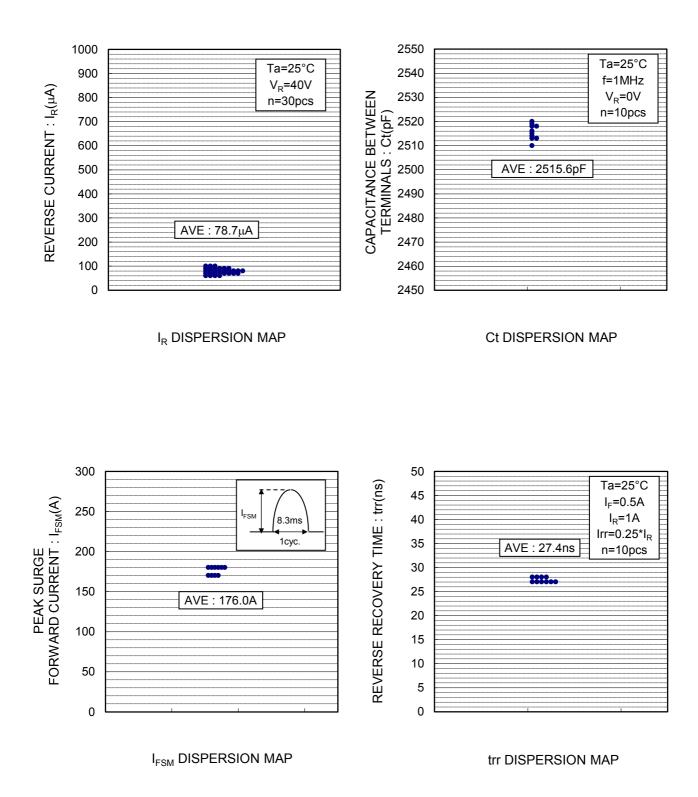
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	$V_{RM}$	40	V
Reverse voltage (DC)	V <sub>R</sub>	40	V
Average rectified forward current (*1)	lo	30	А
Forward current surge peak (60Hz · 1cyc) (*1)	I <sub>FSM</sub>	100	А
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

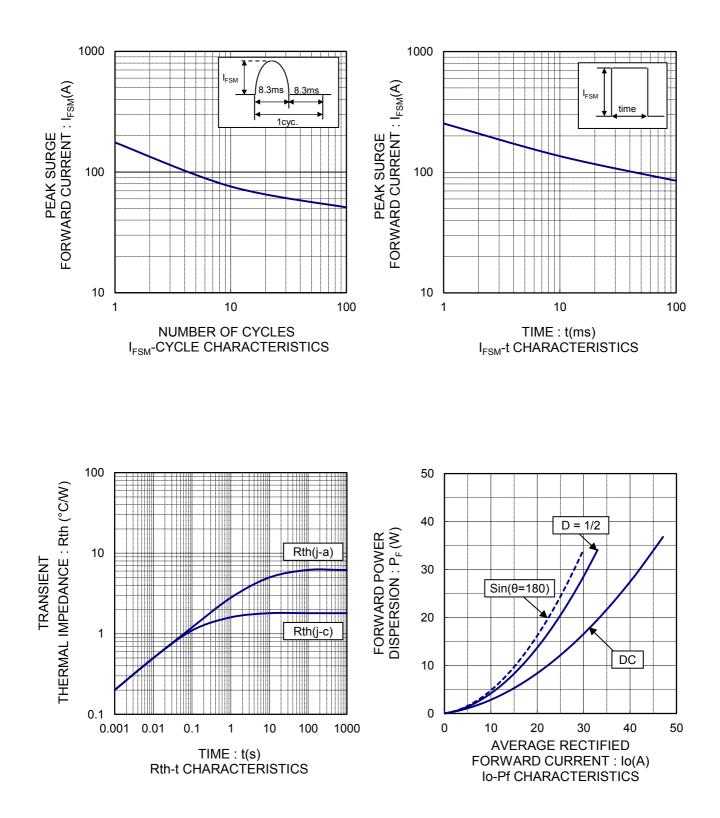
(\*1) 60Hz half sin wave, vesistive load at Tc=70°C. 1/2 lo per diode

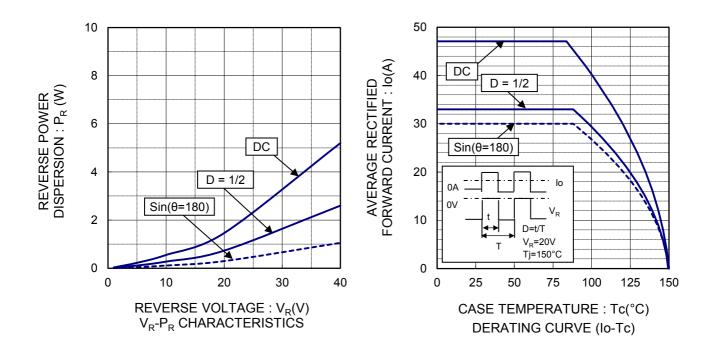
## •Electrical characteristics (Tj = 25°C)

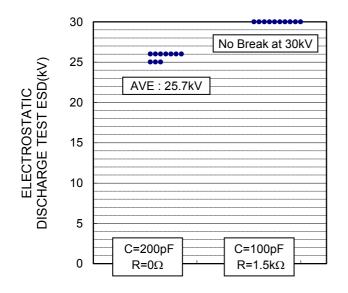
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	0.53	0.63	V	I <sub>F</sub> =15A
Reverse current	I <sub>R</sub>	-	0.08	0.5	μA	V <sub>R</sub> =40V
Thermal resistance	Rth(j-c)	-	-	2.00	°C/W	junction to case











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