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

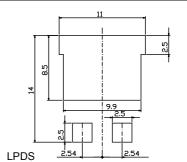
JEITA : TO263S

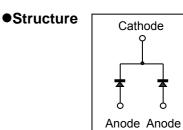
0

I±0.3

(1)

•Land size figure (Unit : mm)

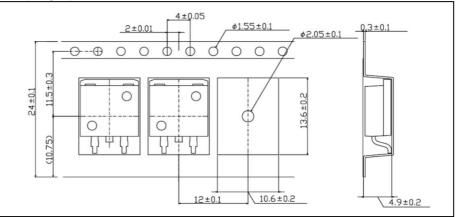




• **Taping specifications** (Unit : mm)

1 Manufactuare Year, Week and Day

 4.5 ± 0.2



1.3±0.2

0~0.3

 $0.62 \pm 0.2 \\ -0.1$

7±0.2

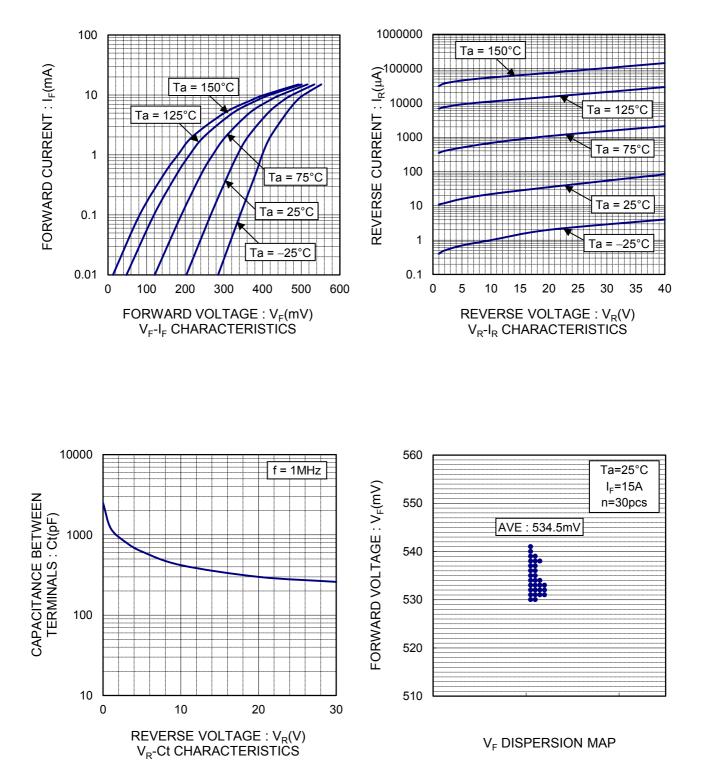
•Absolute maximum ratings (Tc= 25°C)

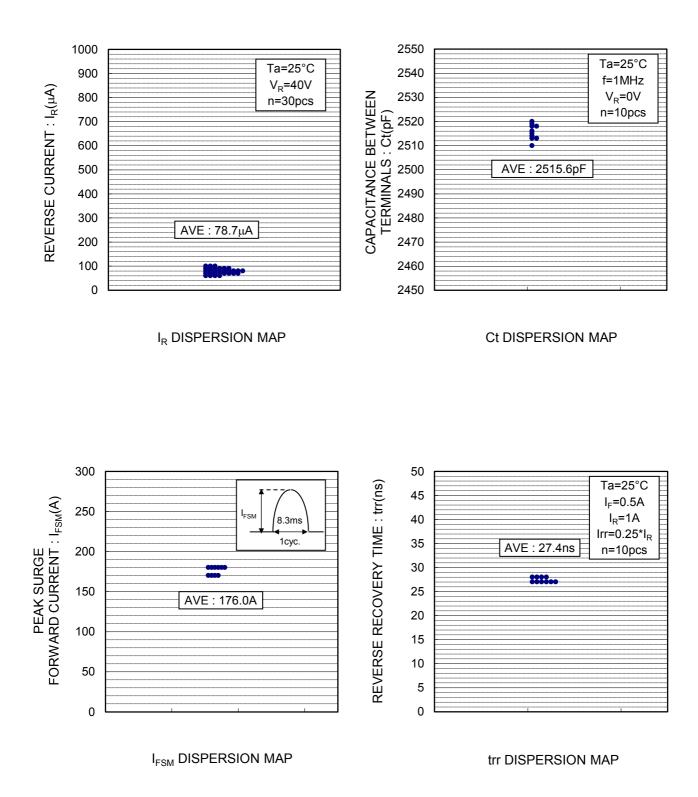
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	40	V
Reverse voltage (DC)	V _R	40	V
Average rectified forward current (*1)	lo	30	А
Forward current surge peak (60Hz · 1cyc) (*1)	I _{FSM}	100	А
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

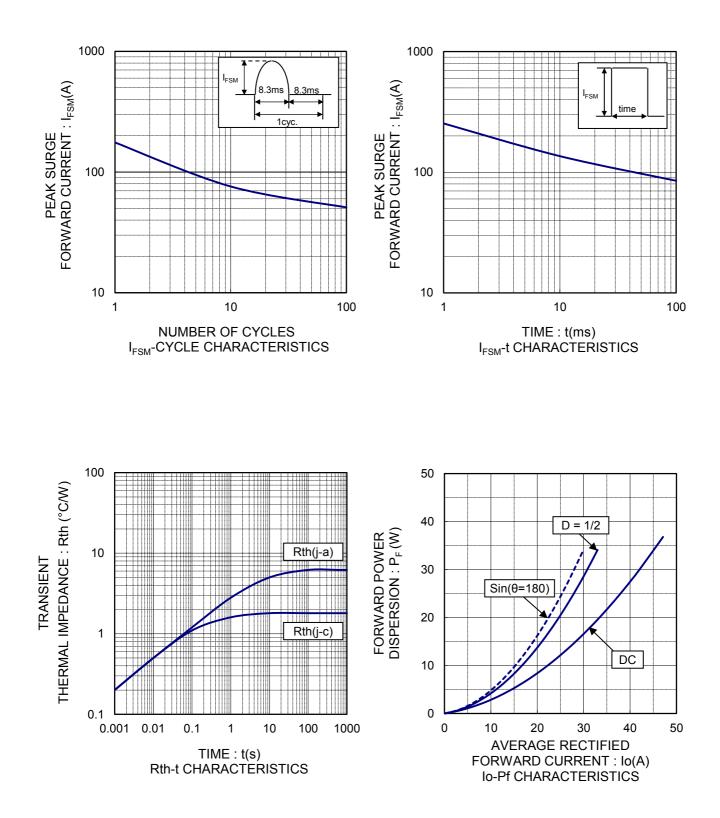
(*1) 60Hz half sin wave, vesistive load at Tc=70°C. 1/2 lo per diode

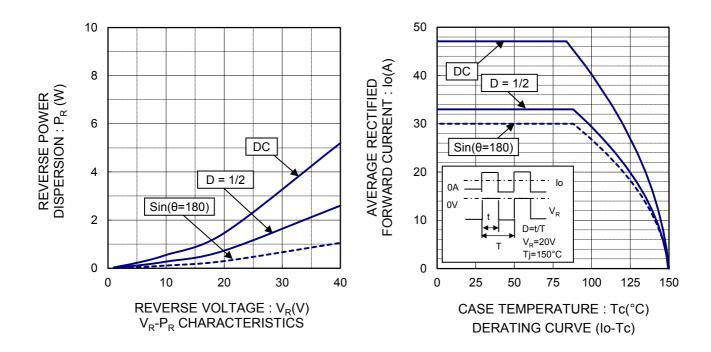
•Electrical characteristics (Tj = 25°C)

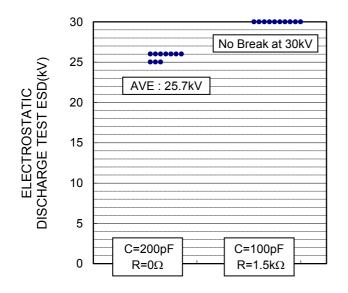
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	0.53	0.63	V	I _F =15A
Reverse current	I _R	-	0.08	0.5	μA	V _R =40V
Thermal resistance	Rth(j-c)	-	-	2.00	°C/W	junction to case











ESD DISPERSION MAP

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