

Schottky barrier diode (Silicon epitaxial planar type)

RB225N-40

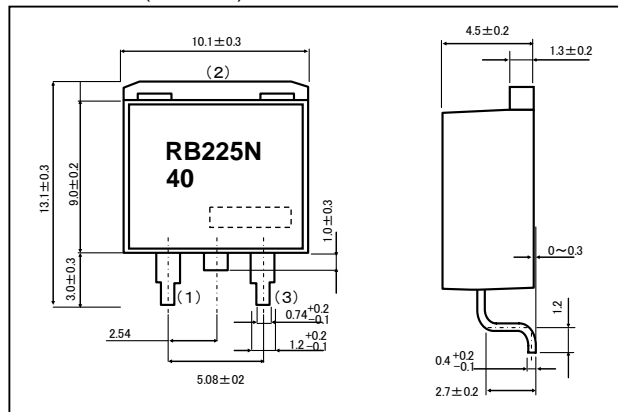
●Description

RB225N-40 is a device in high-power LPDS package achieving low V_F and low I_R . This product contributes to improving efficiency and reducing of loss in switching power supplies.

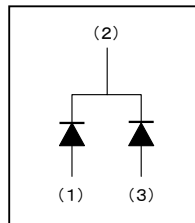
●Features

- 1) High reliability
- 2) Low V_F

●Dimensions (Unit : mm)



●Structure



● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Repetitive peak reverse voltage	V_{RM}	40	V
Reverse voltage(DC)	V_R	40	V
Average rectified forward current	I_o	30	A
Forward current surge peak (60Hz/1cyc.)	I_{FSM}	50	A
Junction temperature	T_j	175	°C
Storage temperature	T_{stg}	-40 to 175	°C

● Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Max.	Unit	Conditions
Forward voltage *1	V_F	-	0.55	V	$I_F=10A$
Reverse current *1	I_R	-	500	μA	$V_R=40V$
Forward voltage *2	V_F	-	0.55	V	$I_F=20A$
Reverse current *2	I_R	-	500	μA	$V_R=40V$

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