# Schottky barrier diode RB050L-40

## Applications

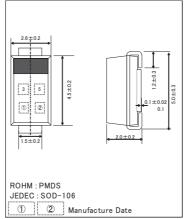
General rectification

## Features

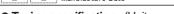
- 1) Small power mold type. (PMDS)
- 2) Low I<sub>R</sub>.
- 3) High reliability.

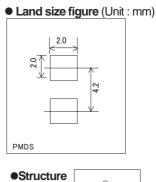
#### Construction

Silicon epitaxial planar

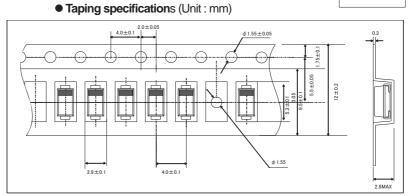


• Dimensions (Unit: mm)









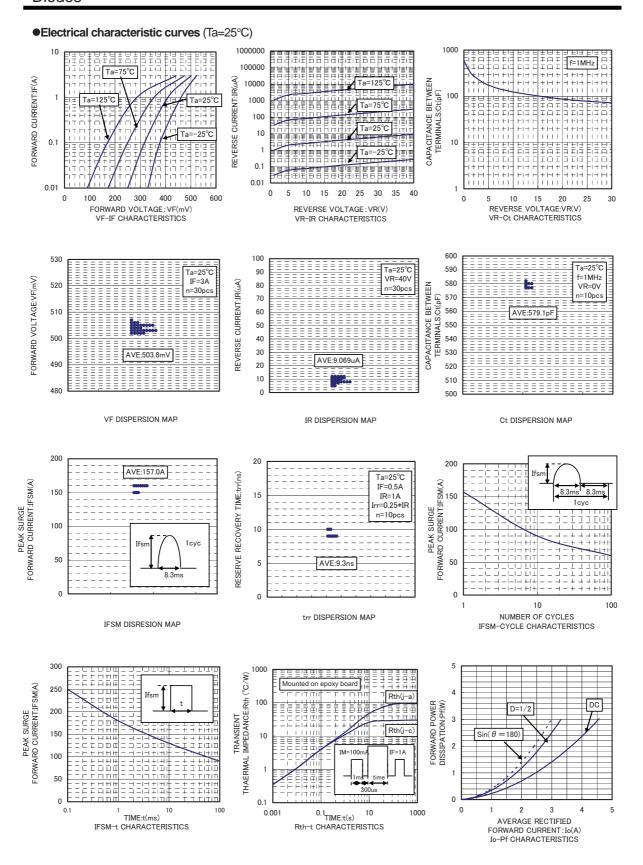
## ● Absolute maximum ratings (Ta=25°C)

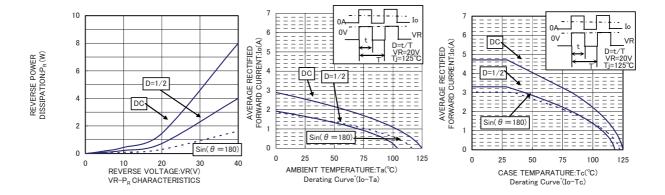
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	40	V
Average rectified forward current	lo	3	Α
Forward current surge peak (60Hz · 1cyc)	I <sub>FSM</sub>	70	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

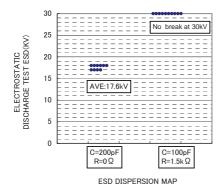
<sup>(\*1)</sup>Mounted on epoxy board. 180° Half sine wave

# ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub> 1	-	-	0.55	V	I <sub>F</sub> =3.0A
	V <sub>F</sub> 2	-	-	0.50	V	I <sub>F</sub> =1.5A
Reverse current	I <sub>R</sub>	-	-	1	m A	V <sub>R</sub> =40V







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