## **Diodes**

# Schottky barrier diode RB050LA-30

## Applications

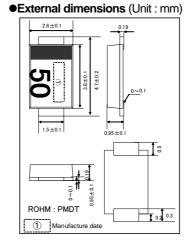
General rectification

#### ● Features

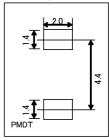
- 1) Small and Thin power mold type (PMDT)
- 2) Low IR
- 3) High reliability

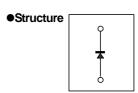
#### Structure

Silicon Epitaxial Planer

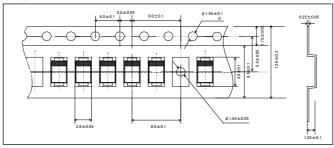


## ●Land size figure





## ●Taping dimensions (Unit : mm)



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

Symbol	Limits	Unit
$V_{RM}$	30	V
$V_R$	30	V
lo	3	Α
$I_{FSM}$	70	Α
Tj	150	°C
Tstg	-55 to +150	°C
	$\begin{array}{c} V_{RM} \\ V_{R} \\ Io \\ I_{FSM} \\ Tj \end{array}$	V <sub>RM</sub> 30 V <sub>R</sub> 30 Io 3 I <sub>FSM</sub> 70 Tj 150

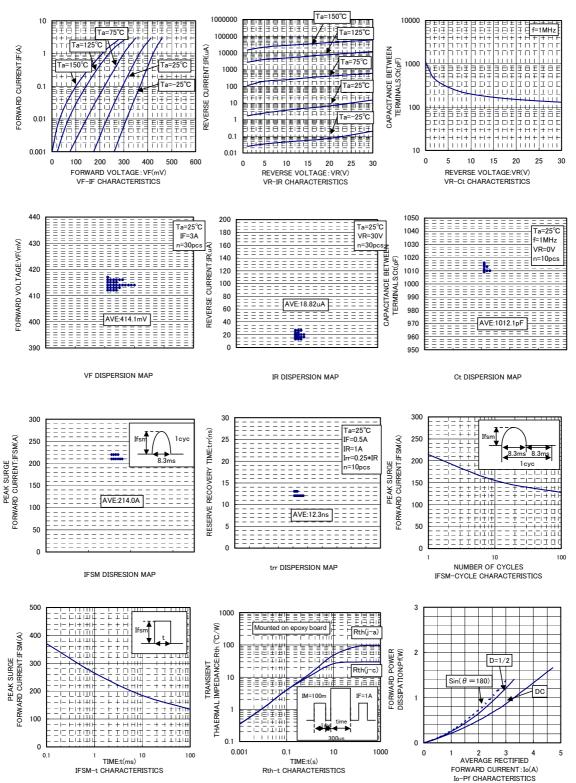
<sup>(\*1)</sup>Tc=90°Cmax Mounted on epoxy board. 180°Half sine wave

## ●Electrical characteristic (Ta=25°C)

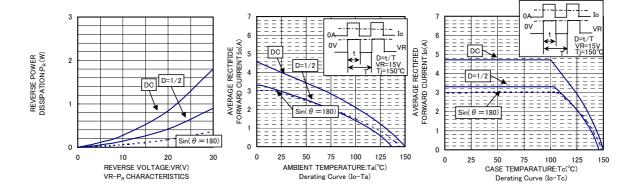
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	-	0.45	V	I <sub>F</sub> =3.0A
Reverse current	I <sub>R</sub>	-	-	150	μΑ	V <sub>R</sub> =30V

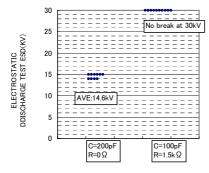
## **Diodes**

#### •Electrical characteristic curves



## **Diodes**





ESD DISPERSION MAP

# **Appendix**

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