# Shottky barrier diode

# **RSX051VA-30**

#### Application

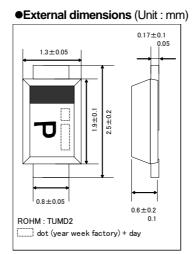
General rectification.

#### Features

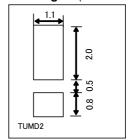
- 1) Small mold type. (TUMD2)
- 2) Low V<sub>F</sub>
- 3) High reliability.

### ●Structure

Silicon epitaxial planar



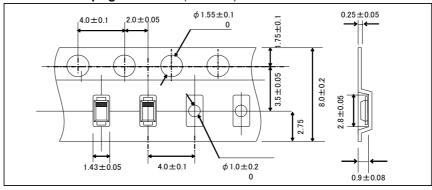
#### ●Lead size figure (Unit : mm)



●Structure



#### ● Taping dimensions (Unit: mm)

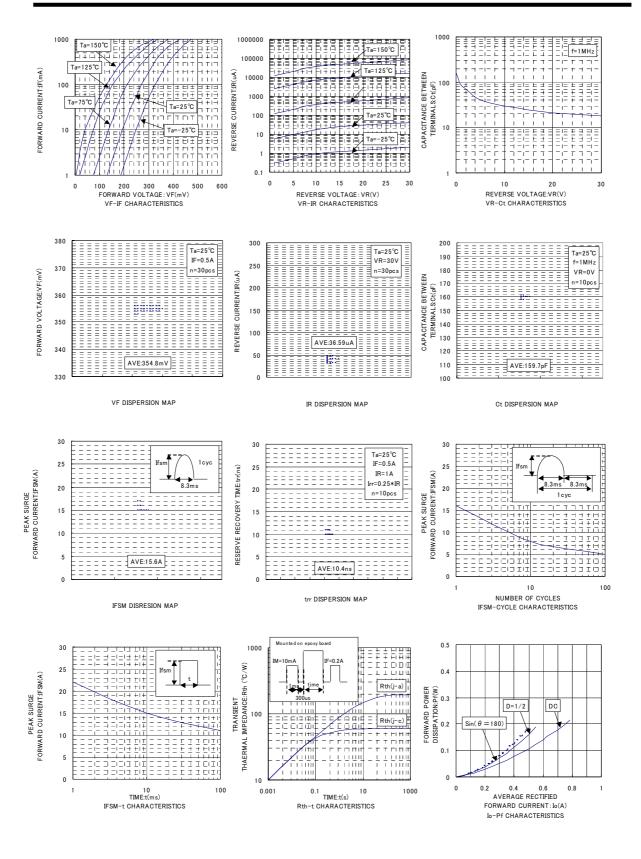


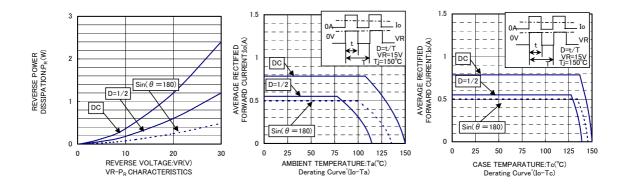
## ●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	30	V
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current	lo	500	mA
Forward current surge peak	I <sub>FSM</sub>	5	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

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

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	1	0.35	0.39	V	I <sub>F</sub> =500mA
Reverse current	$I_R$	-	40	200	μA	V <sub>R</sub> =30V





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