# Schottky barrier diode RB160VA-40

# Applications

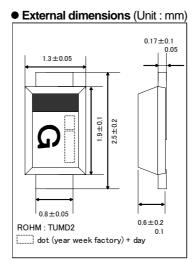
General rectification

### ● Features

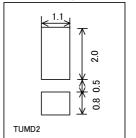
- 1) Small mold type. (TUMD2)
- 2) Low  $I_F$ , Low  $I_R$ .
- 3) High reliability.

#### Construction

Silicon epitaxial planar



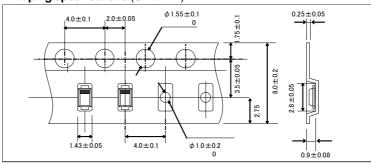
# • Land size figure (Unit : mm)



Structure







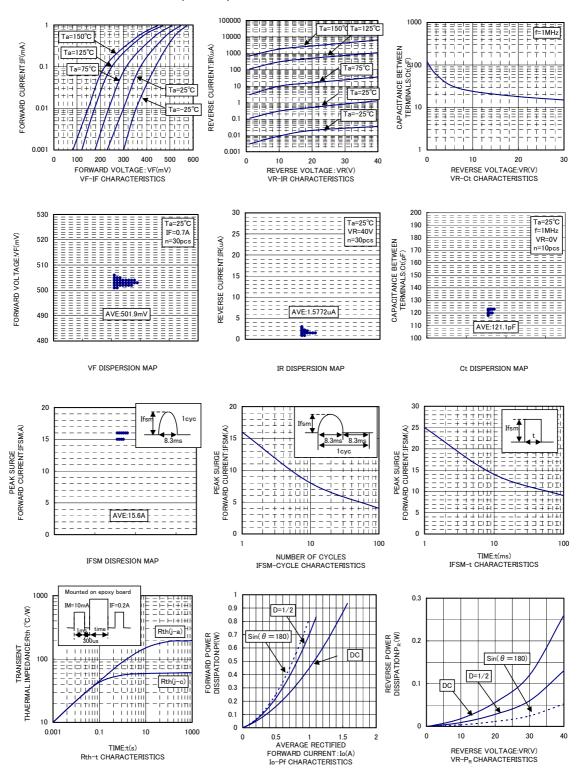
## ● Absolute maximum ratings (Ta=25°C)

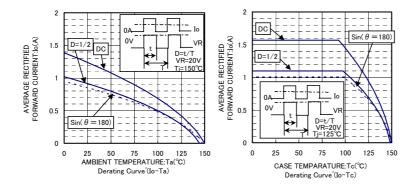
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	40	V
Average rectified forward current	lo	1	Α
Forward peak surge current(60Hz-1cyc)	I <sub>FSM</sub>	5	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

# ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	0.50	0.55	V	I <sub>F</sub> =700mA
Reverse current	$I_R$	-	1.5	50	μΑ	V <sub>R</sub> =40V

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





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