# Schottky barrier diode

# **RB461F**

### Applications

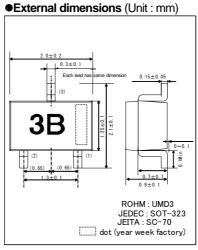
Low current rectification

#### Features

- 1) Small mold type. (UMD3)
- 2) Low VF.
- 3) High reliability.

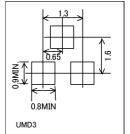
# Construction

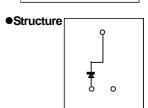
Silicon epitaxial planar

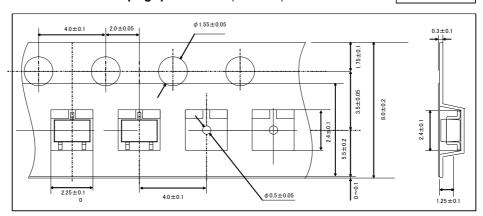


● Taping specifications (Unit: mm)

# ●Land size figure (Unit : mm)







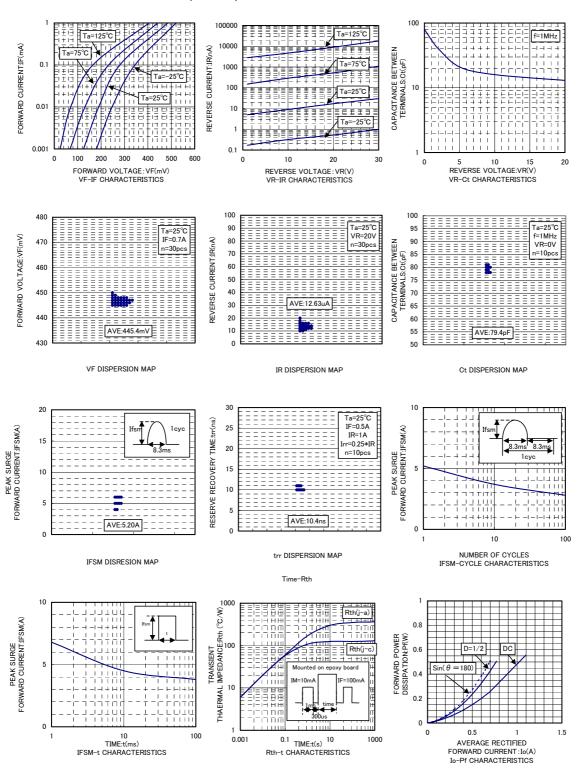
# ● Absolute maximum ratings (Ta=25°C)

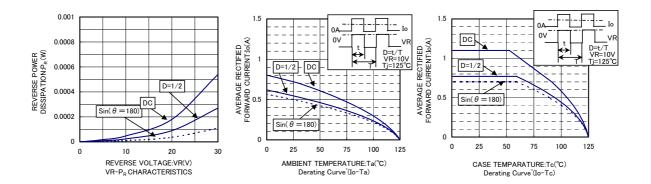
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	25	V
Reverse voltage (DC)	$V_R$	20	V
Average rectified forward current (*1)	lo	0.7	Α
Forward current surge peak (60Hz·1cyc)(*1)	I <sub>FSM</sub>	3	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

# ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	-	0.49	V	I <sub>F</sub> =700mA
Reverse current	$I_R$	-	-	200	μA	V <sub>R</sub> =20V

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





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