

Schottky barrier diode

RB461F

●Applications

Low current rectification

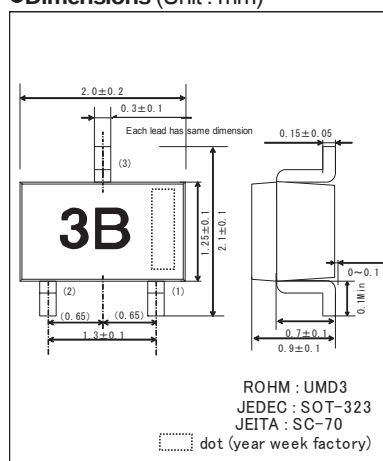
●Features

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

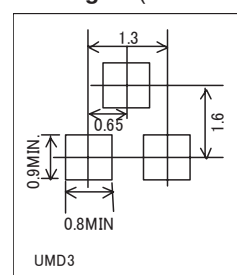
●Construction

Silicon epitaxial planar

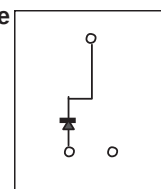
●Dimensions (Unit : mm)



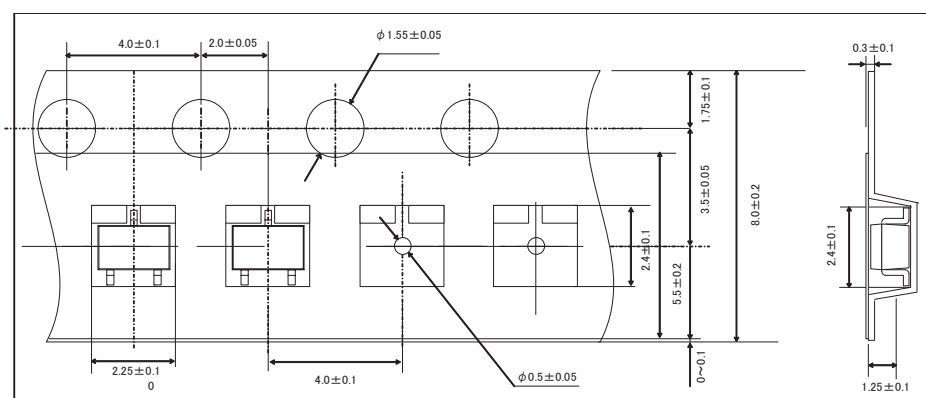
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings ($T_a=25^\circ\text{C}$)

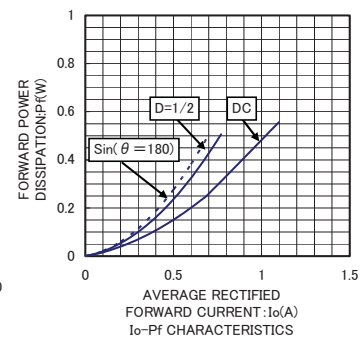
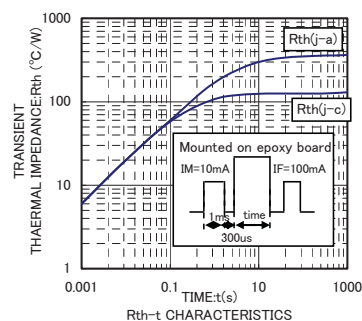
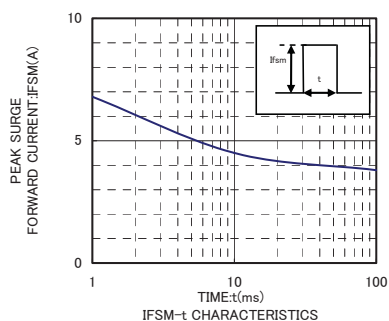
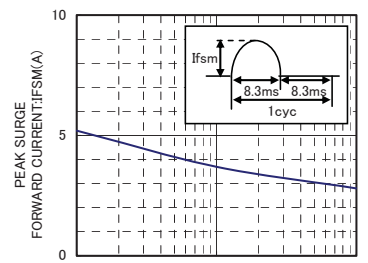
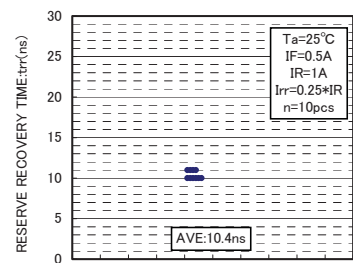
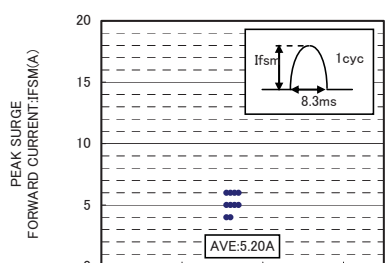
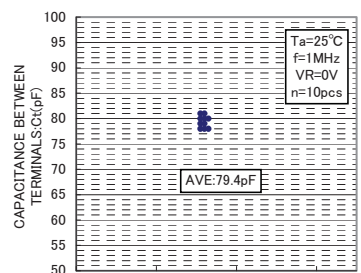
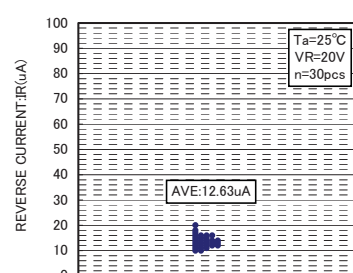
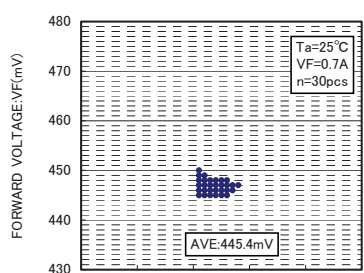
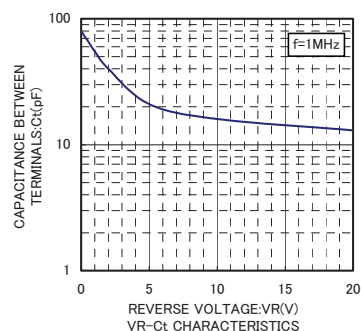
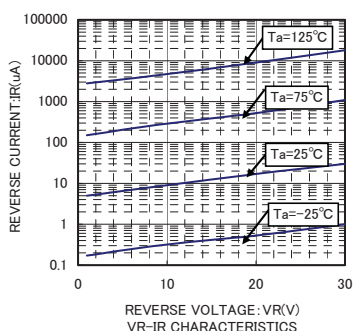
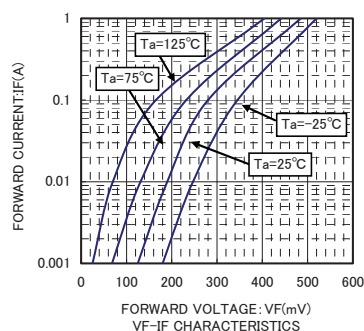
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	25	V
Reverse voltage (DC)	V_R	20	V
Average rectified forward current (*1)	I_O	0.7	A
Forward current surge peak (60Hz·1cyc) (*1)	I_{FSM}	3	A
Junction temperature	T_J	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +125	$^\circ\text{C}$

●Electrical characteristics ($T_a=25^\circ\text{C}$)

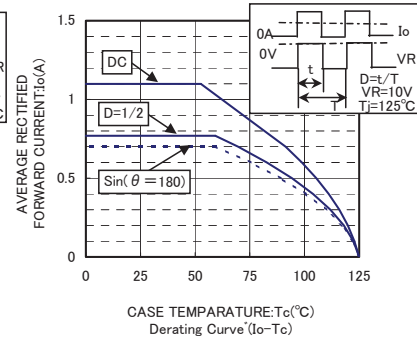
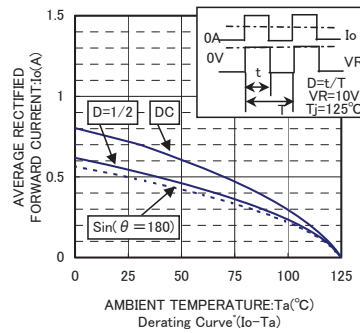
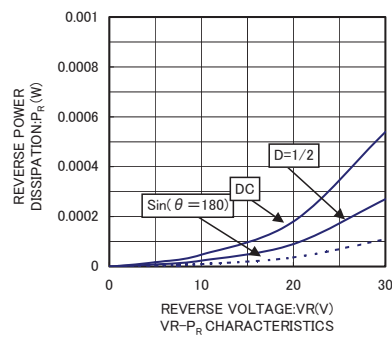
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.49	V	$I_F=700\text{mA}$
Reverse current	I_R	-	-	200	μA	$V_R=20\text{V}$

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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