# Schottky barrier diode RB450F

# Applications

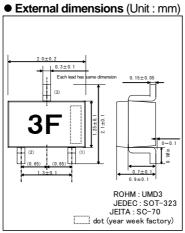
Low current rectification

### ● Features

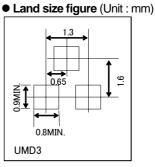
- 1) Small mold type. (UMD3)
- 2) Low I<sub>R</sub>
- 3) High reliability.

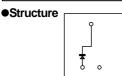
#### Construction

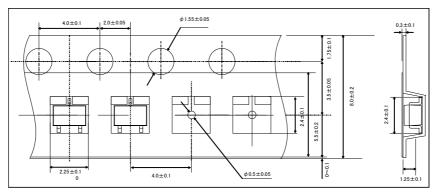
Silicon epitaxial planar



Taping specifications(Unit : mm)





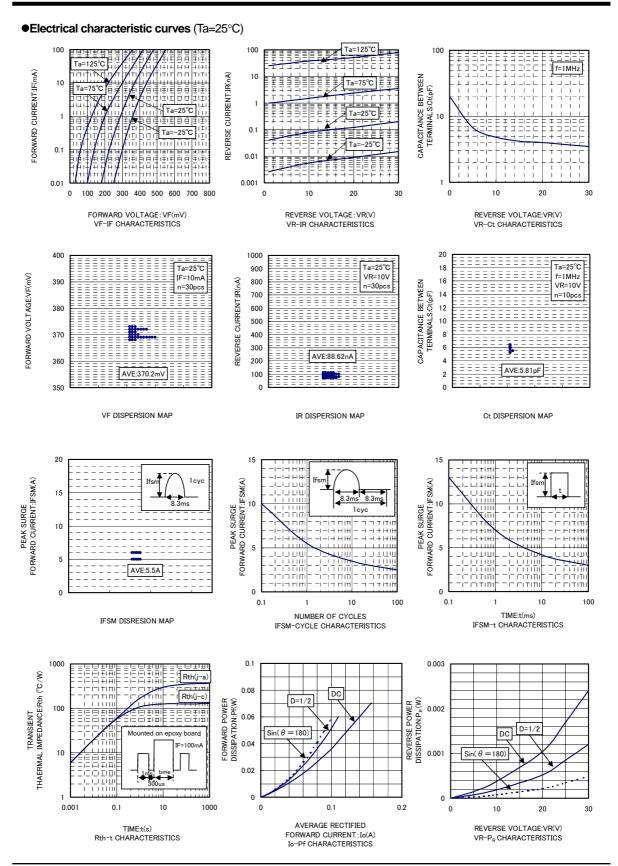


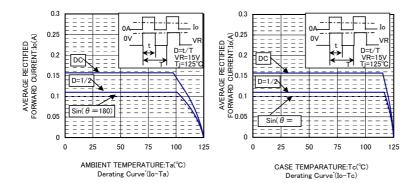
# ● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	45	V
Reverse voltage (DC)	$V_R$	40	V
Average rectified forward current	lo	100	mΑ
Forward current surge peak (60Hz•1cyc)	I <sub>FSM</sub>	1	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	$V_{F}$	-	-	0.45	V	I <sub>F</sub> =10mA
Reverse current	I <sub>R</sub>	-	-	1	μΑ	V <sub>R</sub> =10V
Capacitance between terminal	Ct	-	6.0	-	pF	V <sub>R</sub> =10V , f=1MHz





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