Shottky barrier diode

RB706F-40

Application

Low current rectification

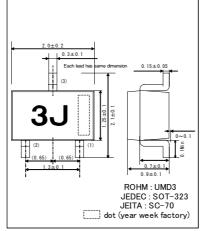
Features

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

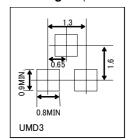
●Structure

Silicon epitaxial planer

●External dimensions (Unit : mm)



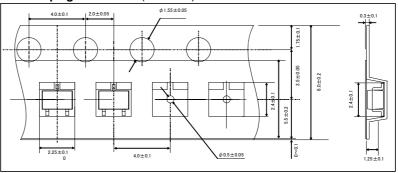
●Lead size figure (Unit : mm)



●Structure



● Taping dimensions (Unit: mm)



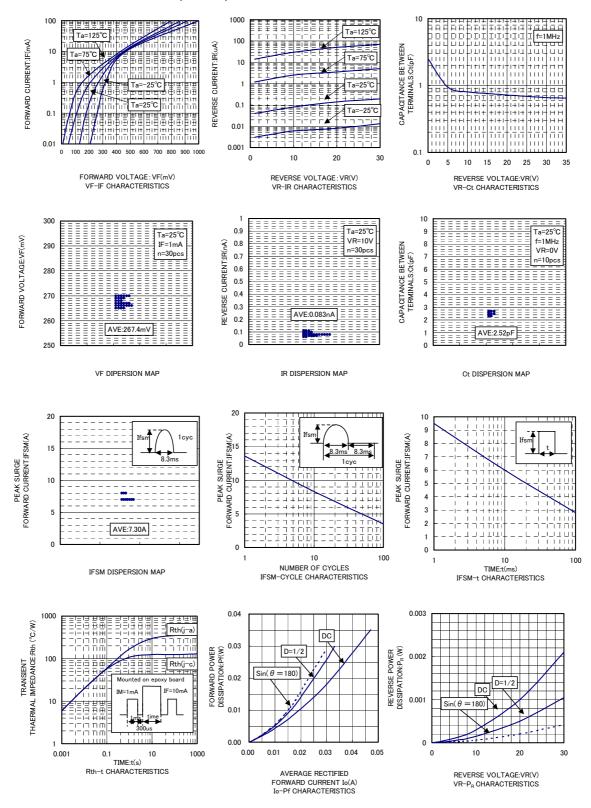
● Absolute maximum ratings (Ta=25°C)

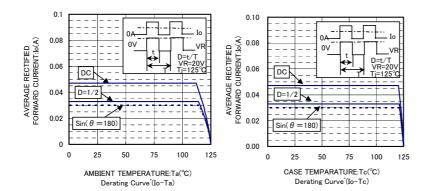
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	45	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	lo	30	mA
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	200	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	0.26	0.37	V	I _F =1mA
Reverse current	I _R	-	0.05	1	μA	V _R =10V
Capacitance between terminals	Ct	1	2.0	•	pF	V _R =1V , f=1MHz

●Electrical characteristic curves (Ta=25°C)





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