Schottky barrier diode RB717F

Applications

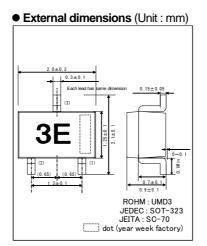
Low current rectification

Features

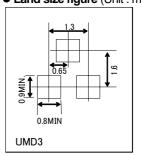
- 1) Small mold type. (UMD3)
- 2) Low V_F
- 3) High reliability.

Construction

Silicon epitaxial planar



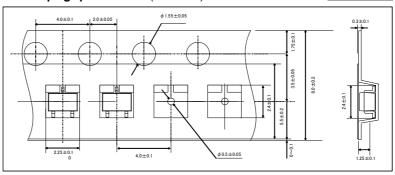
● Land size figure (Unit : mm)



Structure







● Absolute maximum ratings (Ta=25°C)

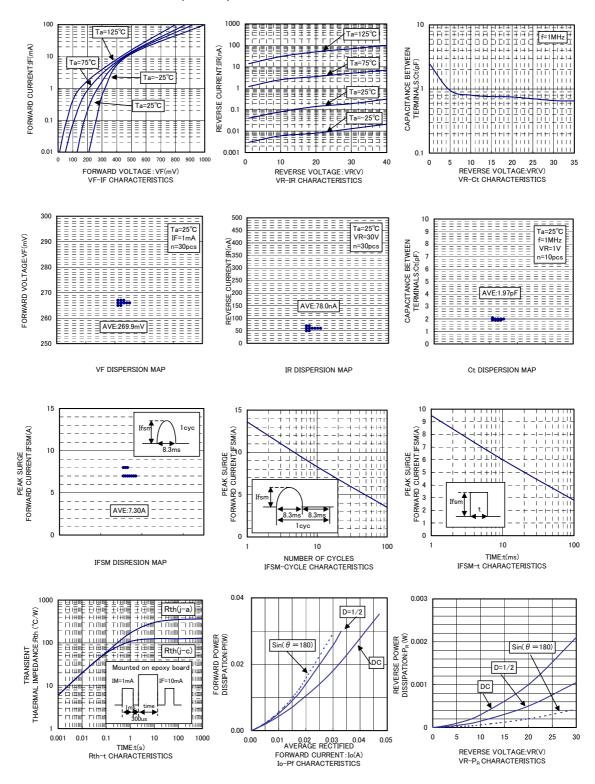
3 ()			
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reevrse voltage (DC)	V_R	40	V
Average rectifoed forward current (*1)	lo	30	mA
Forward current surge peak (60Hz·1cyc) (*1)	I _{FSM}	200	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

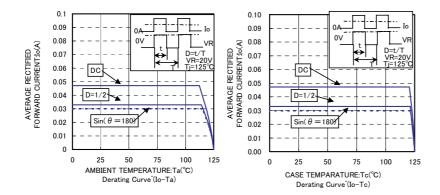
^(*1) Rating of per diode

●Electrical characteristics (Ta=25°C)

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

●Electrical characteristic curves (Ta=25°C)





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