

Schottky barrier diode

RB075B40S

●Applications

General rectification

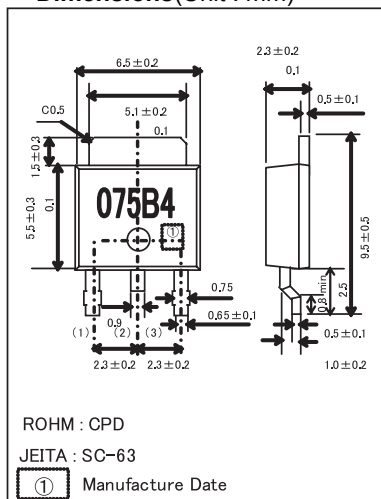
●Features

- 1)Power mold type.(CPD)
- 2)Low I_R
- 3)High reliability

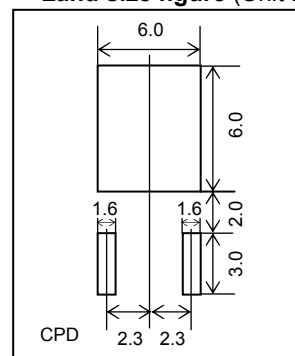
●Construction

Silicon epitaxial planar

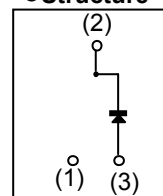
●Dimensions(Unit : mm)



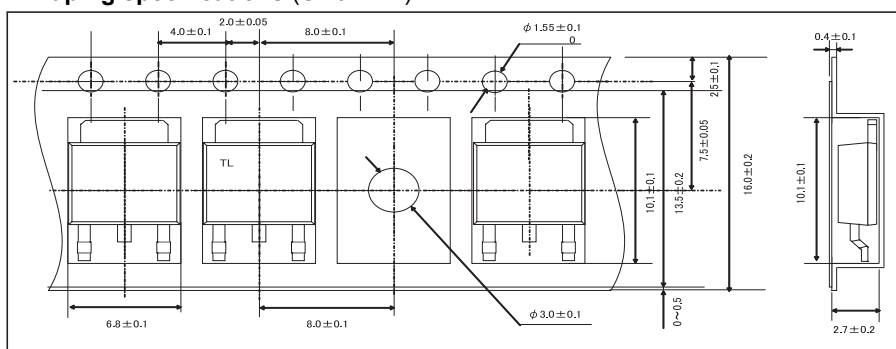
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

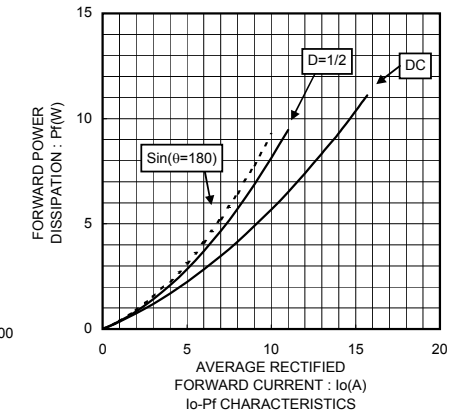
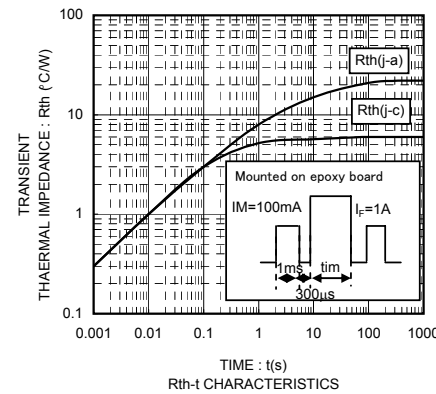
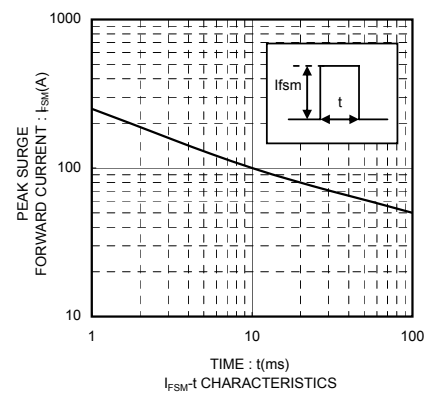
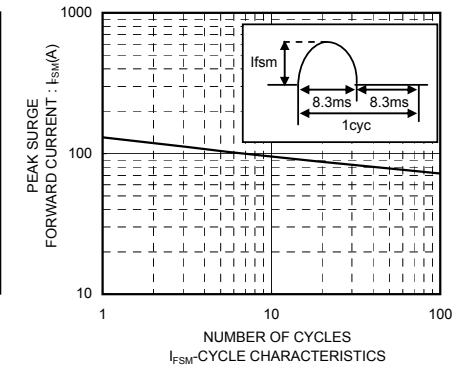
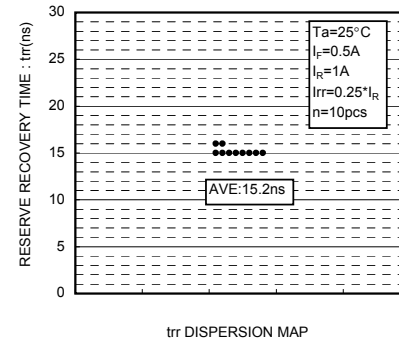
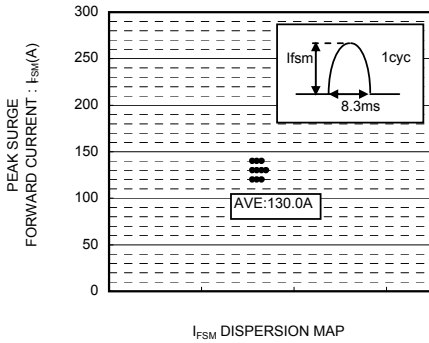
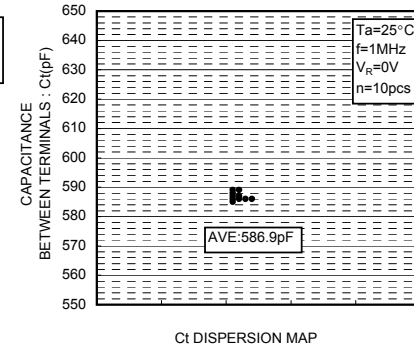
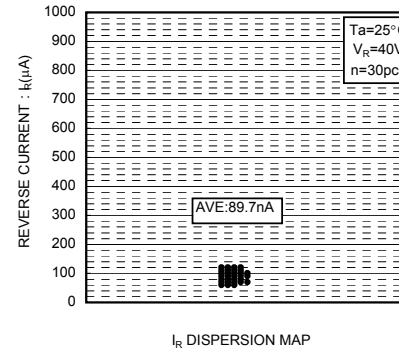
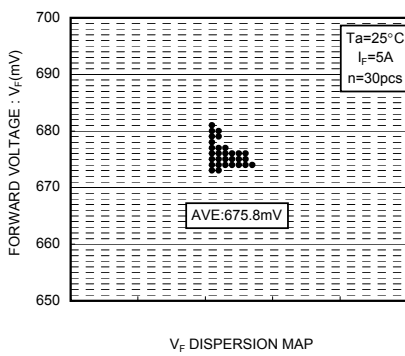
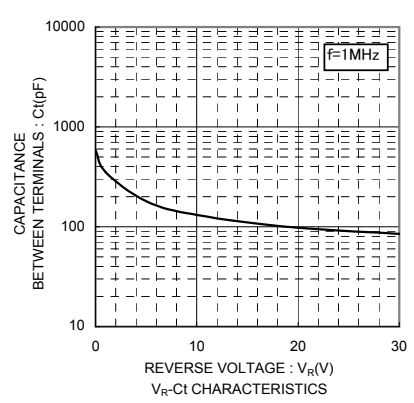
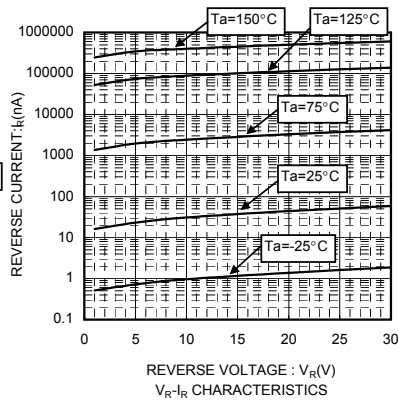
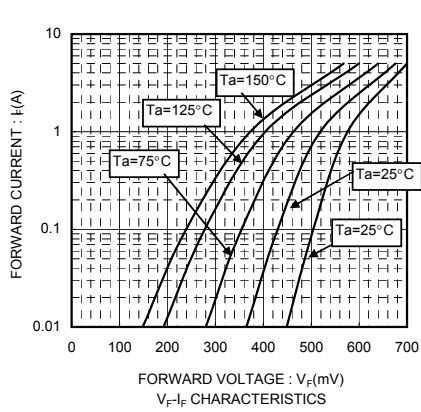
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current(*1)	I_o	5	A
Forward current surge peak (60Hz / 1cyc)	I_{FSM}	45	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

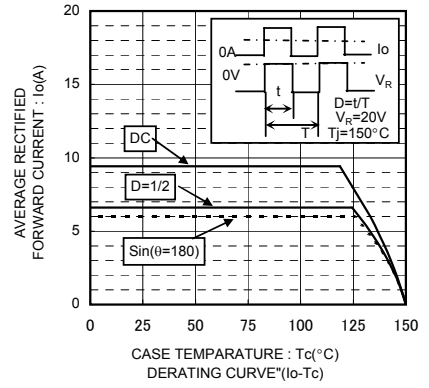
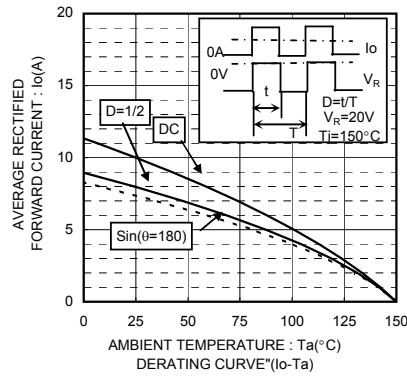
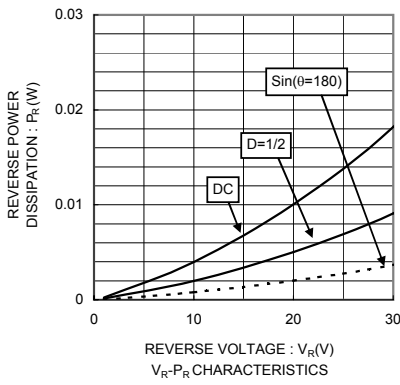
(*1)Business frequencies,Rating of R-load, $T_c=125^\circ\text{C}$ MAX

●Electrical characteristic(Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.75	V	$I_F=5.0\text{A}$
Reverse current	I_R	-	-	5.0	μA	$V_R=40\text{V}$

●Electrical characteristic curves





Notes

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