

Schottky barrier diode

RB075B40S

● Applications

General rectification

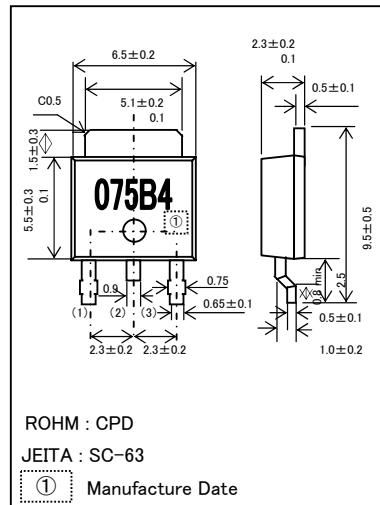
● Features

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

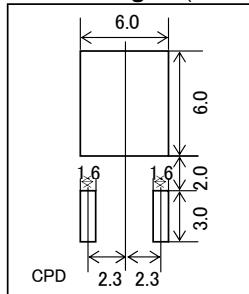
● Construction

Silicon epitaxial

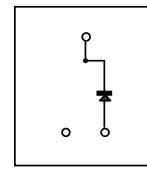
● Dimensions (Unit : mm)



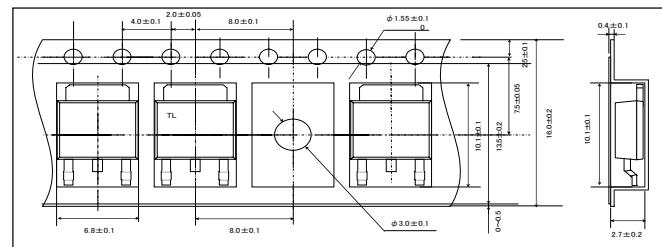
● Land size figure (Unit : mm)



● 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

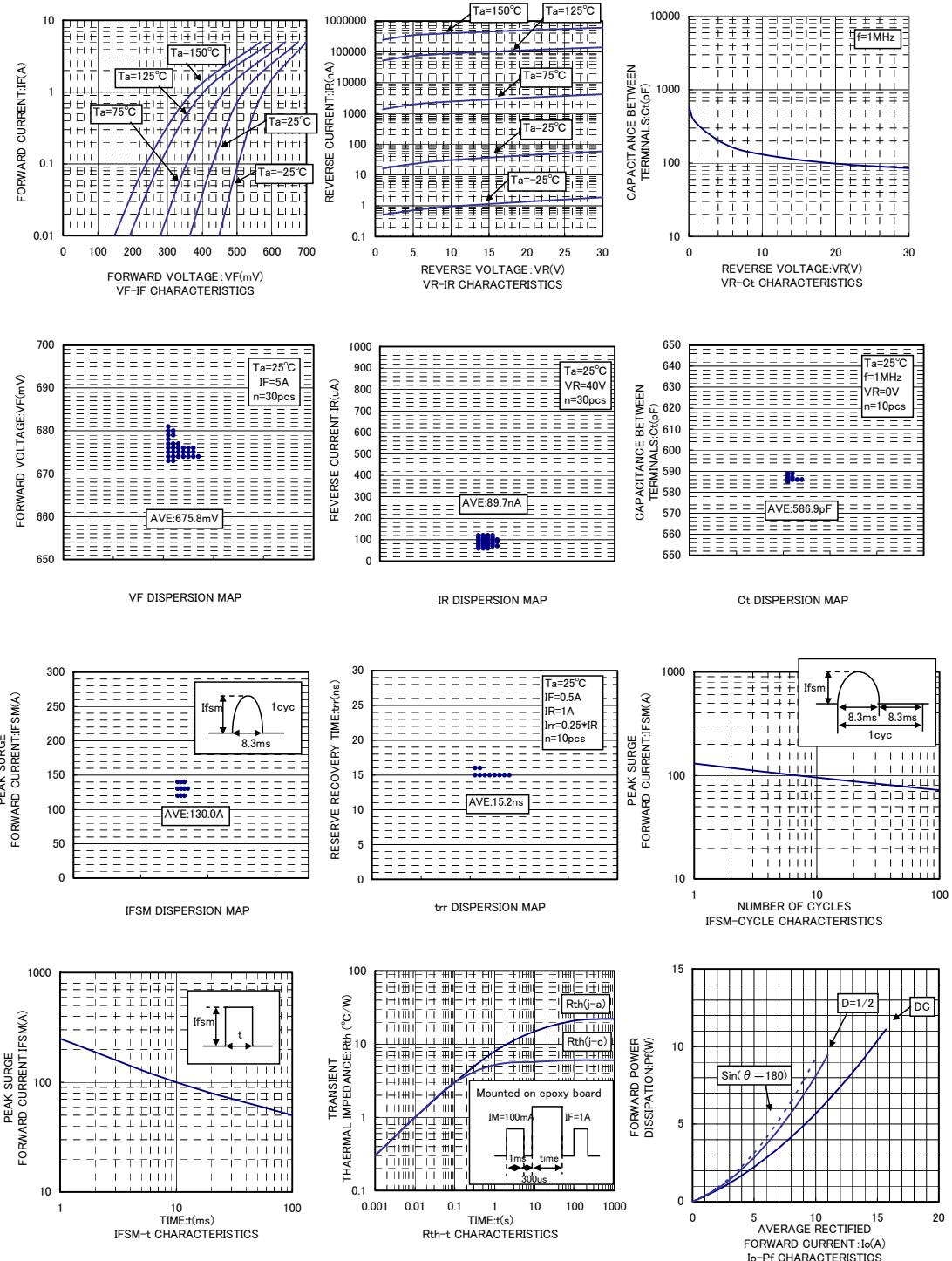
(*1)Business frequencies, Rating of R-load, T_c=125°C MAX

● Electrical characteristic (Ta=25°C)

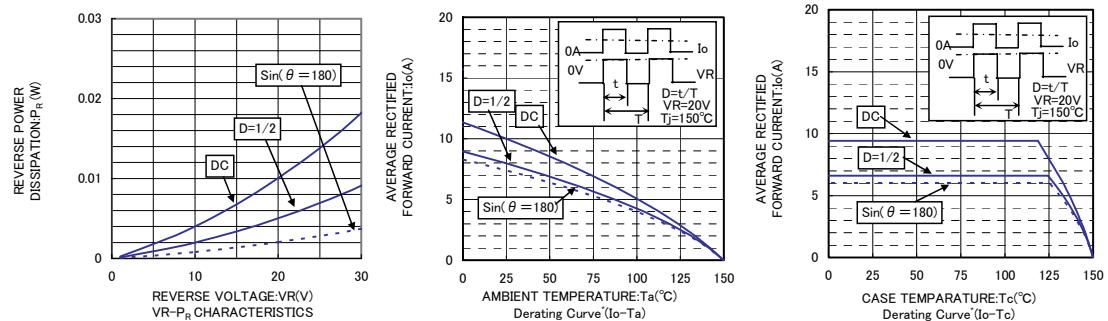
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.75	V	I _F =5.0A
Reverse current	I _R	-	-	5.0	μA	V _R =40V

Diodes

● Electrical characteristic curves



Diodes



Appendix

Notes

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