

Diodes

RB160L-40

Schottky barrier diode

RB160L-40

● Applications

General rectification

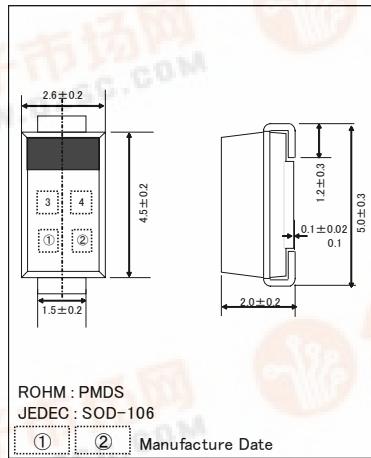
● Features

- 1) Small power mold type. (PMDS)
- 2) Low I_R .
- 3) High reliability.

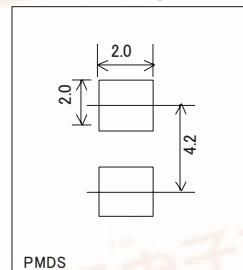
● Construction

Silicon epitaxial planar

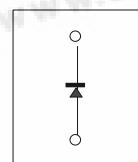
● External dimensions (Unit : mm)



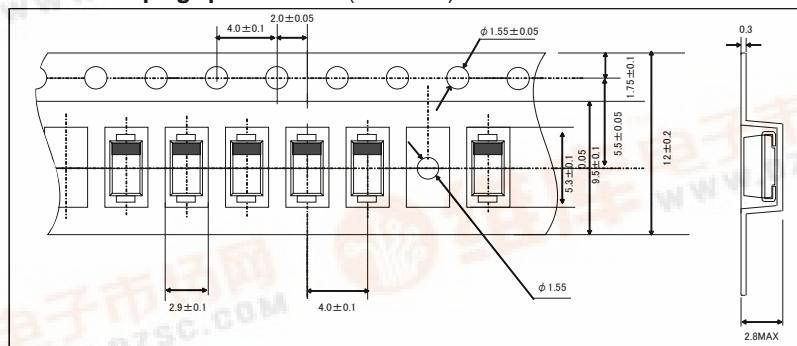
● Land size figure (Unit : mm)



● Structure



● Taping specifications (Unit : mm)



● Absolute maximum ratings ($T_a=25^\circ C$)

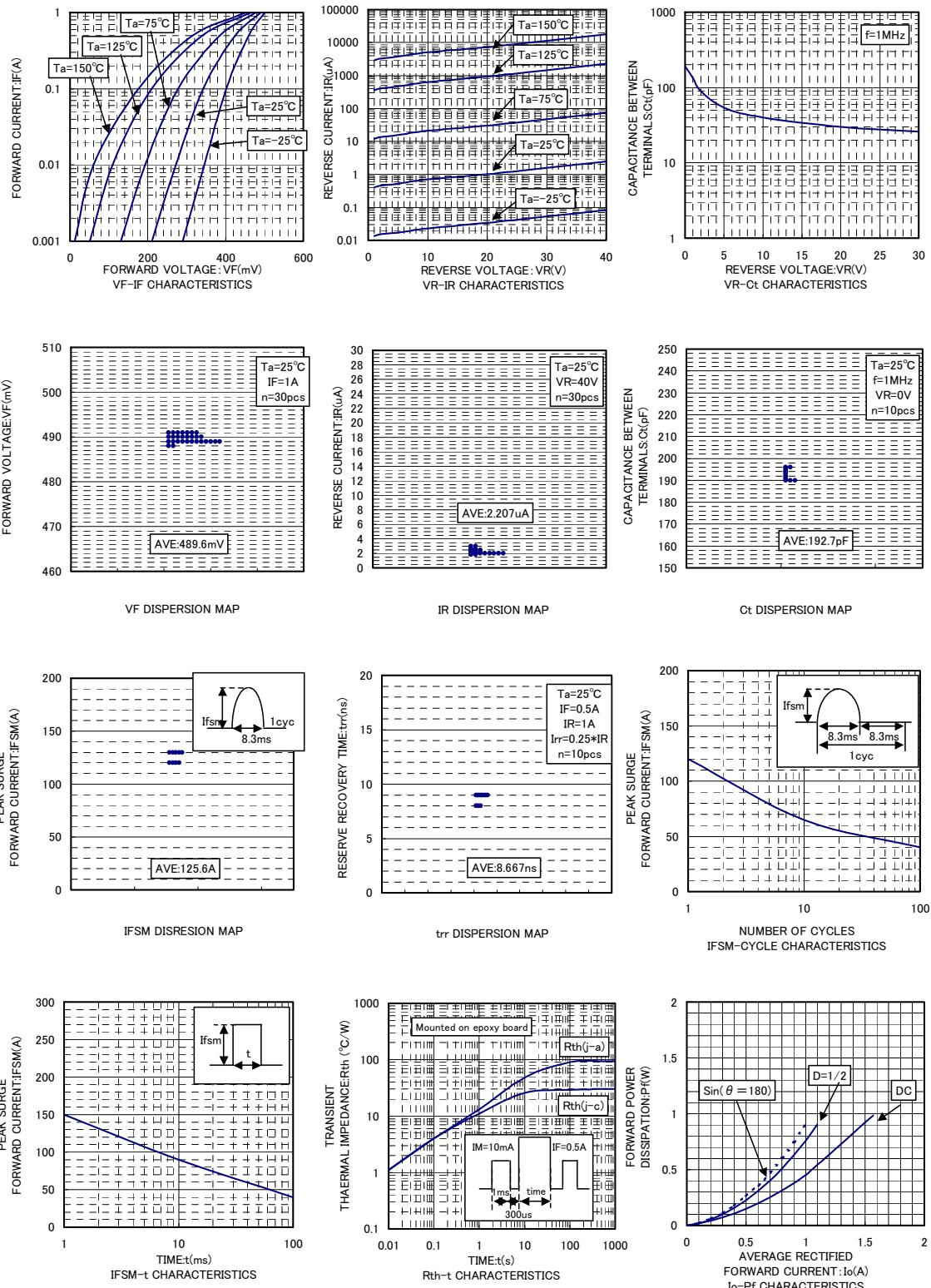
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	I_o	1	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	70	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

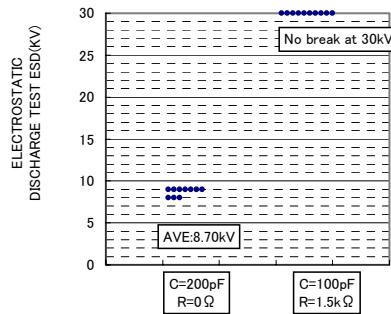
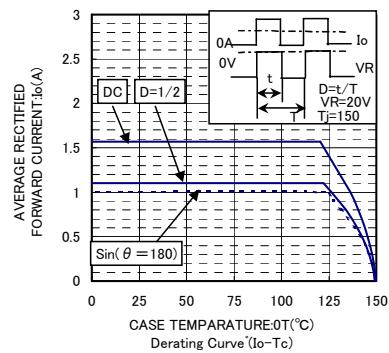
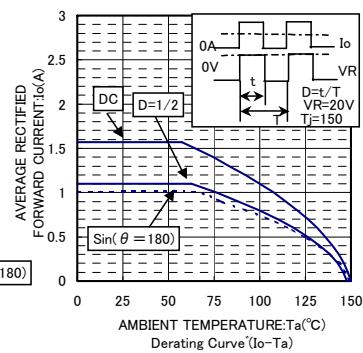
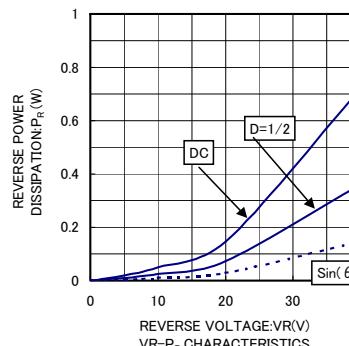
(*1) $T_c=90^\circ C$ max Mounted on epoxy board. 180° Half sine wave

● Electrical characteristics ($T_a=25^\circ C$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.55	V	$I_F=1.0A$
Reverse current	I_R1	-	-	10	μA	$V_R=6V$
	I_R2	-	-	100	μA	$V_R=40V$

Diodes

●Electrical characteristic curves ($T_a=25^\circ\text{C}$)



Appendix

Notes

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