Schottky barrier diode RB160L-40

Applications

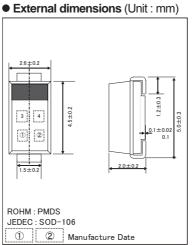
General rectification

Features

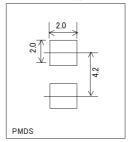
- 1) Small power mold type. (PMDS)
- 2) Low I_R.
- 3) High reliability.

Construction

Silicon epitaxial planar



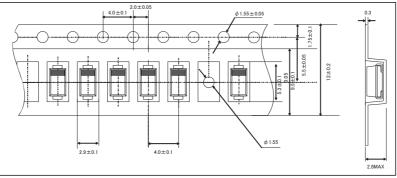
• Land size figure (Unit : mm)



Structure







•Absolute maximum ratings (Ta=25°C)

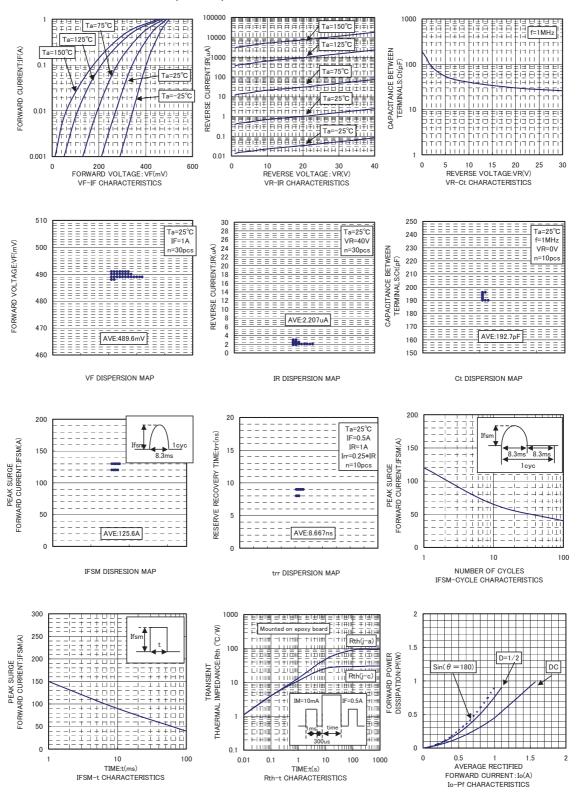
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V _R	40	V
Average rectified forward current	lo	1	Α
Forward current surge peak (60Hz • 1cyc)	I _{FSM}	70	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

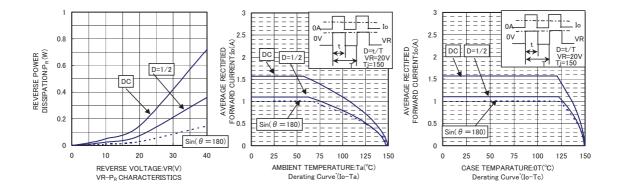
^(*1)Tc=90°C max Mounted on epoxy board. 180° Half sine wave

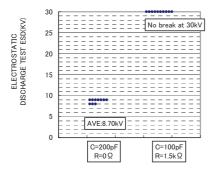
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	0.55	V	I _F =1.0A
Reverse current	I _R 1	ı	-	10	μΑ	V _R =6V
	I _R 2	-	-	100	μΑ	V _R =40V

●Electrical characteristic curves (Ta=25°C)







ESD DISPERSION MAP

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