

Shottky barrier diode

RB050L-40

Applications

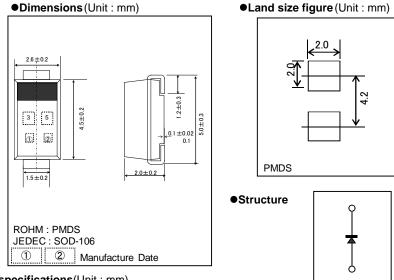
General rectification

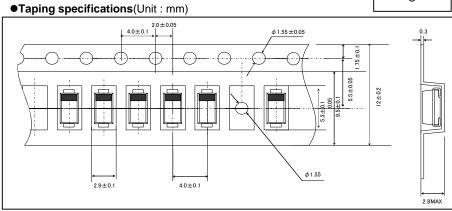
● Features

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

Construction

Silicon epitaxial planar





●Absolute maximum ratings(Ta=25°C)

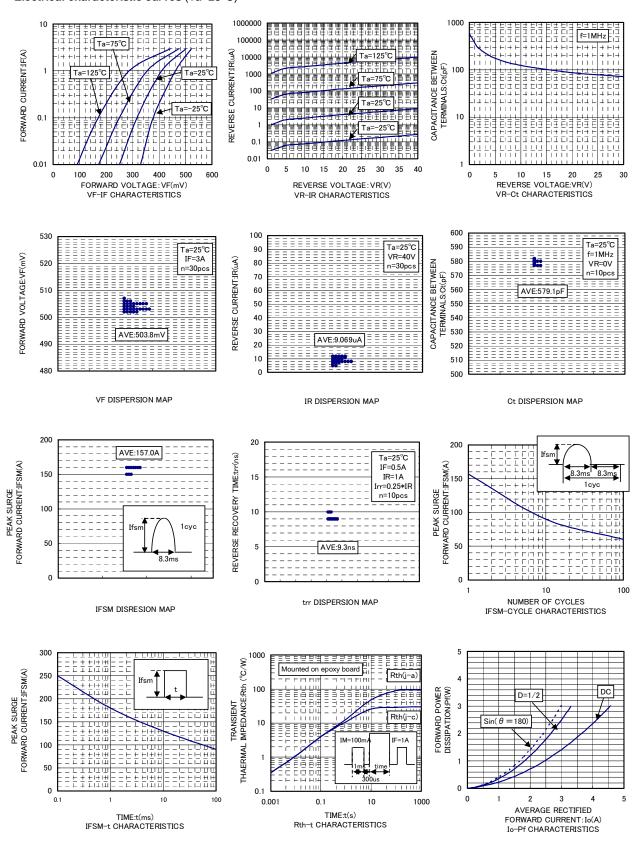
Parameter	Symbol	Symbol Limits	
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	lo	3	Α
Forward current surge peak (60Hz • 1cyc)	I _{FSM}	70	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

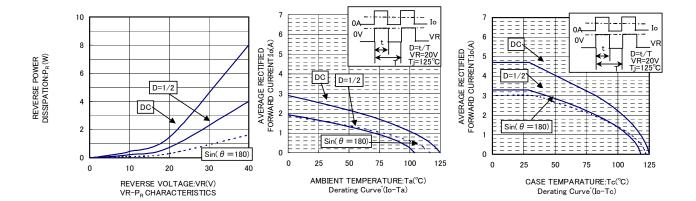
^(*1)Mounted on epoxy board. 180°Half sine wave

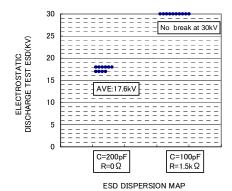
●Electrical characteristics(Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F 1	-	-	0.55	V	I _F =3.0A
	V _F 2	-	-	0.50	V	I _F =1.5A
Reverse current	I _R	-	-	1	mA	V _R =40V

●Electrical characteristic curves (Ta=25°C)







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