Schottky barrier diode RB051L-40

Applications

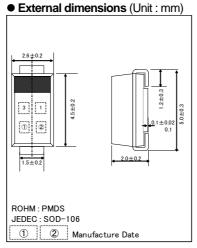
General rectification

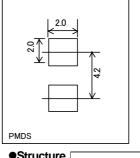
● Features

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

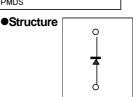
Construction

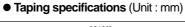
Silicon epitaxial planar

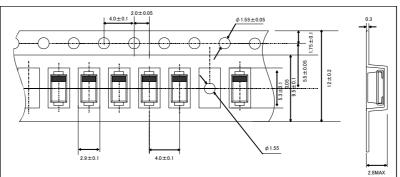




• Land size figure (Unit : mm)







● Absolute maximum ratings (Ta=25°C)

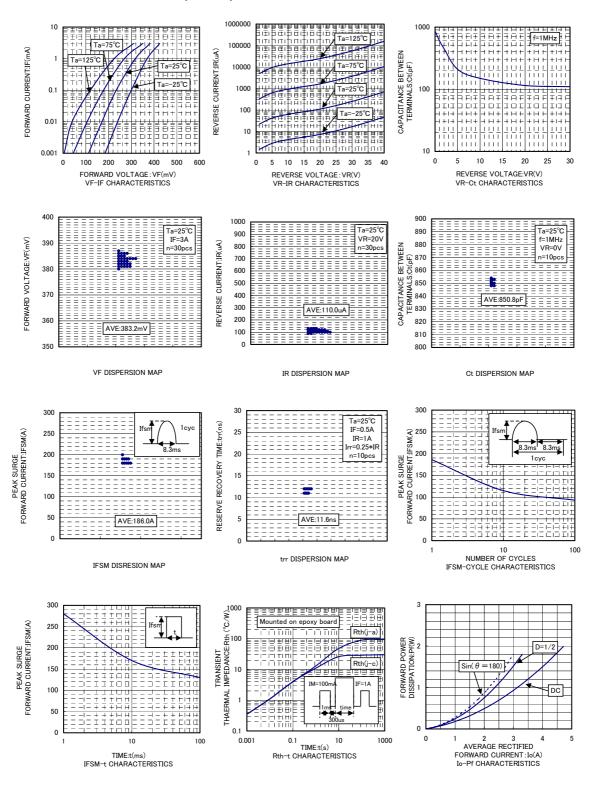
Absolute maximum ratings (1a=25 C)						
Parameter	Symbol	Limits	Unit			
Reverse voltage (repetitive peak)	V_{RM}	40	V			
Reverse voltage (DC)	V_R	20	V			
Average rectified forwarfd current	lo	3	Α			
Forward current surge peak (60Hz-1cyc)	I _{FSM}	70	Α			
Junction temperature	Tj	125	°C			
Storage temperature	Tstg	-40 to +125	°C			

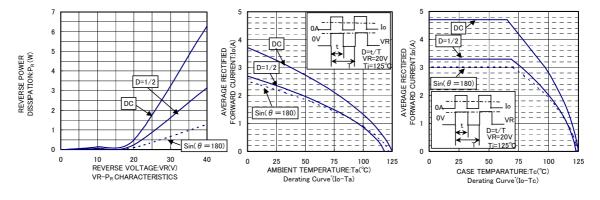
^(*1) Mounted on epoxyboard. 180°Half sine wave

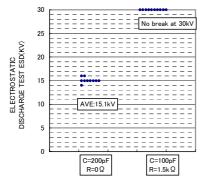
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F 1	-	-	0.35	V	I _F =1.0A
	V _F 2	-	-	0.45	V	I _F =3.0A
Reverse current	I _R 1	-	-	1	mA	$V_R=20V$
	I _R 2	-	-	150	μΑ	V _R =15V

●Electrical characteristic curves (Ta=25°C)







ESD DISPERSION MAP

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