Schottky barrier diode **RB051L-40**

Applications

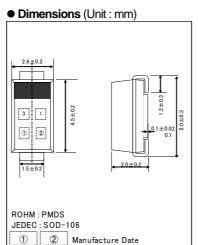
General rectification

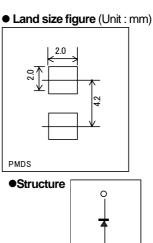
Features

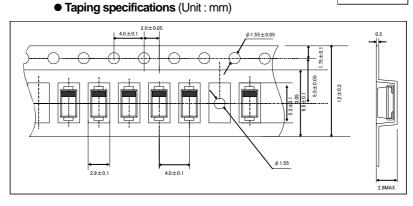
- 1) Small power mold type. (PMDS)
- 2) Low I_R.
- 3) High reliability.



Silicon epitaxial planar







•Absolute maximum ratings (Ta=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	A
Forward current surge peak (60Hz · 1cyc)	I _{FSM}	70	А
Junction temperature	Tj	125	С°
Storage temperature	Tstg	-40 to +125	⊃°

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

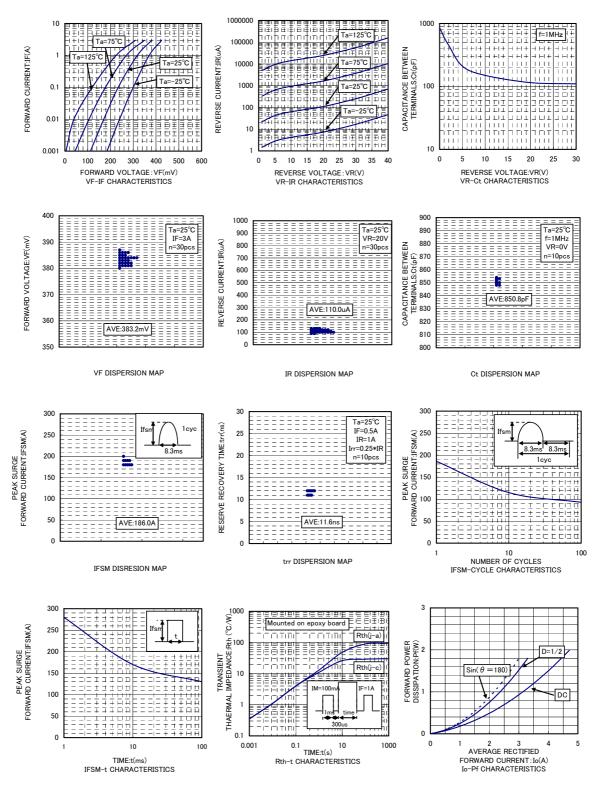
•Electrical characteristics (Ta=25°C)

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	μA	V _R =15V

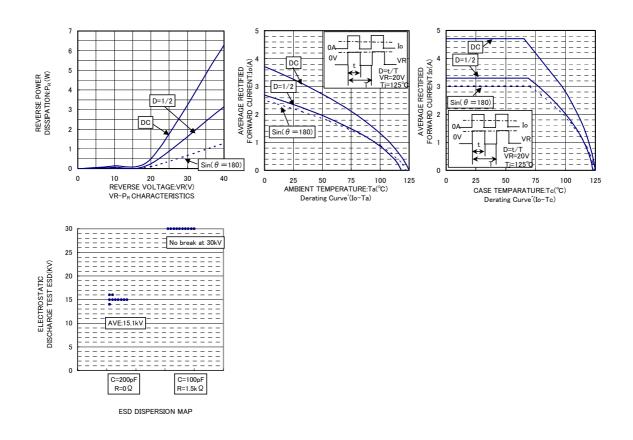


Diodes





Rev.B 2/3



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