Schottky barrier diode RB050LA-40

Applications

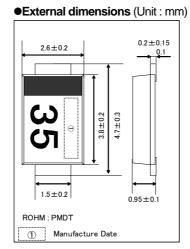
General rectification

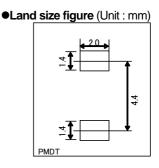
Features

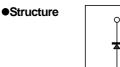
- 1) Small power mold type (PMDT)
- 2) Low IR
- 3) High reliability

Structure

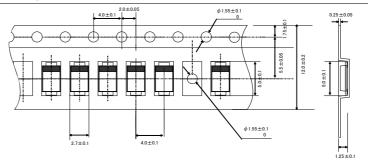
Silicon epitaxial planer







•Taping dimensions (Unit : mm)



•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	3	А
Forward current surge peak (60Hz · 1cyc)	I _{FSM}	70	А
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

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

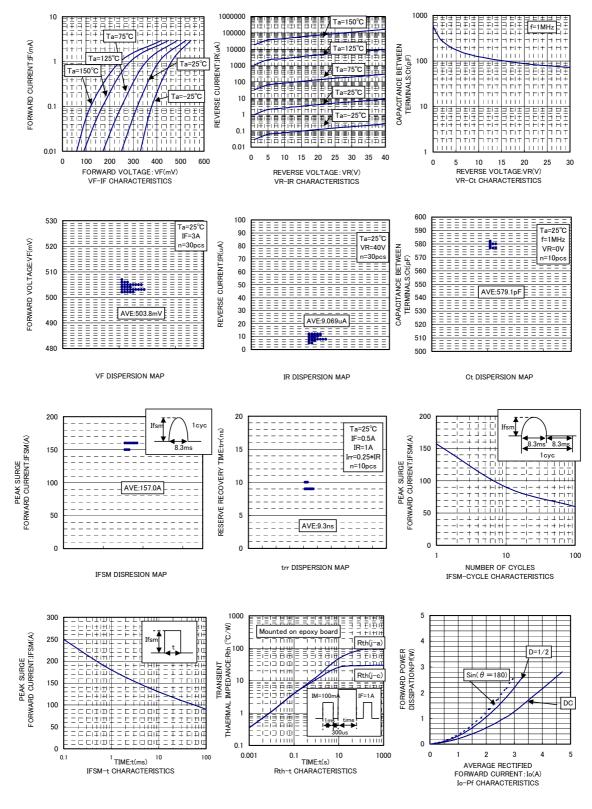
•Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F 1	-	-	0.50	V	I _F =1.5A
	V _F 2	-	-	0.55	V	I _F =3.0A
Reverse current	I _R	-	-	0.1	mA	V _R =40V

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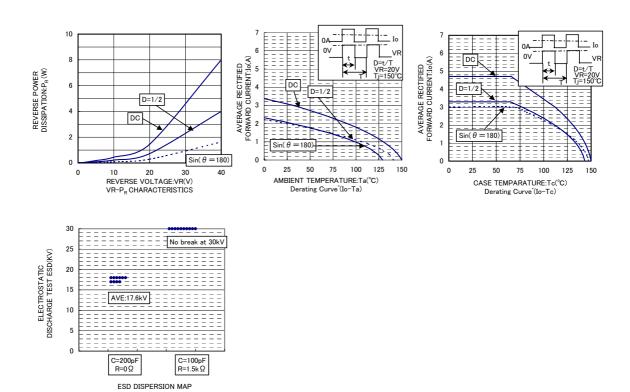
Diodes

•Electrical characteristic curves



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