## Schottky barrier diode RB055LA-40

#### Applications

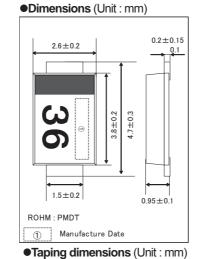
General rectification

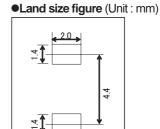
#### Features

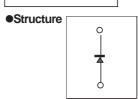
- Small power mold type (PMDT)
- 2) Low V<sub>F</sub>
- 3) High reliability

#### Structure

Silicon epitaxial planar







PMDT

(2) ± 0.05 (2) ± 0.05

● Absolute maximum ratings (Ta=25°C)

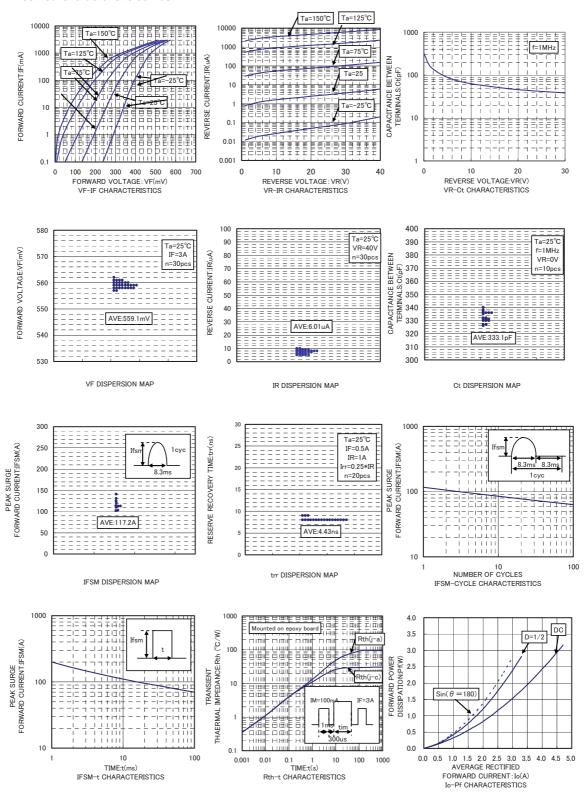
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	40	V
Average rectified forward current	lo	3	Α
Forward current surge peak (60Hz-1cyc)	I <sub>FSM</sub>	70	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

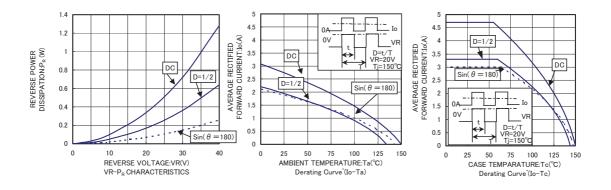
<sup>(\*1)</sup>Tc=80°Cmax Mounted on epoxy board. 160°Half sine wave

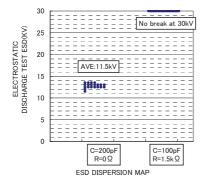
## ●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub> 1	-	-	0.55	V	I <sub>F</sub> =1.5A
	V <sub>F</sub> 2	-	-	0.62	V	I <sub>F</sub> =3.0A
Reverse current	I <sub>R</sub>	-	-	100	μΑ	V <sub>R</sub> =40V

#### •Electrical characteristic curves







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