

RB055LA-40

General rectification

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

Silicon epitaxial planar

Figure 1: Dimensions of the ROHM PMDT. The diagram shows a top view and a side view of the component. The top view shows a rectangular package with a width of 2.6 ± 0.2 mm, a height of 3.8 ± 0.2 mm, and a total height of 4.7 ± 0.3 mm. The width of the bottom section is 1.5 ± 0.2 mm. The side view shows a thickness of 0.1 mm, a top surface width of 0.2 ± 0.15 mm, and a bottom surface width of 0.95 ± 0.1 mm. The top view also shows a central area with the number '36' and a dashed rectangle labeled '①'.

PMDT

[illegible]

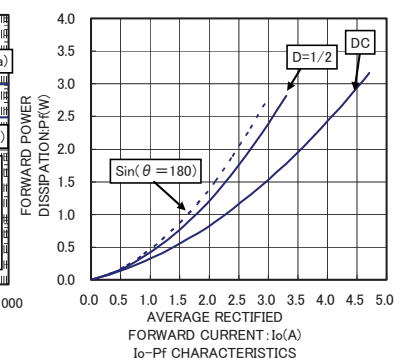
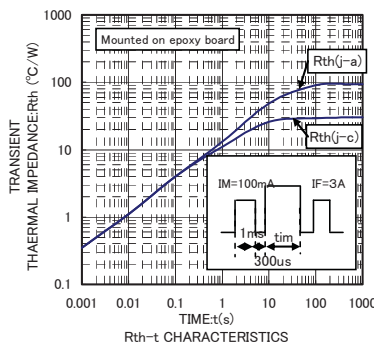
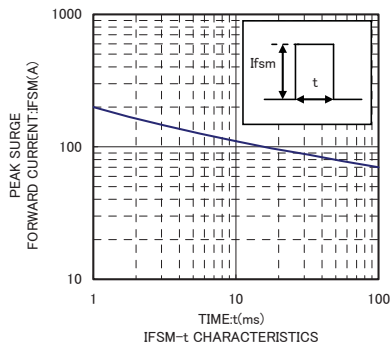
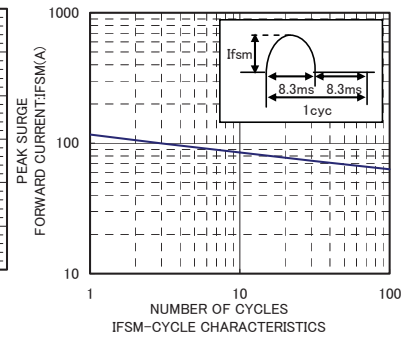
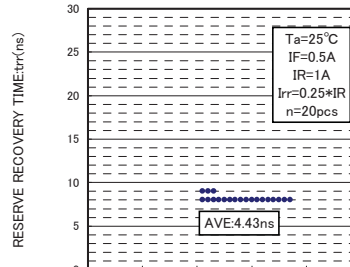
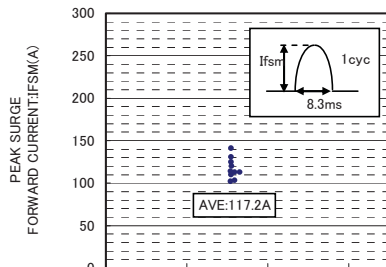
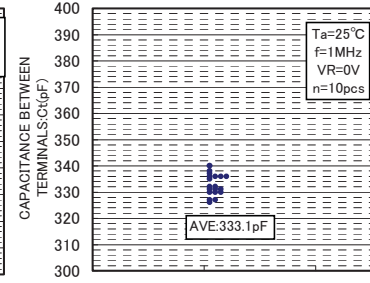
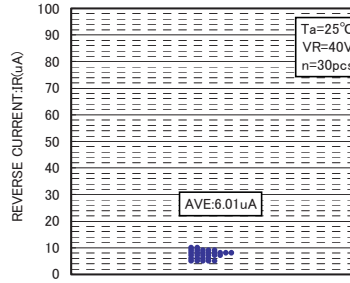
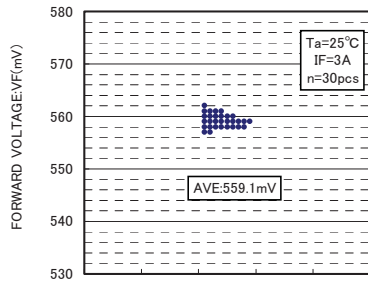
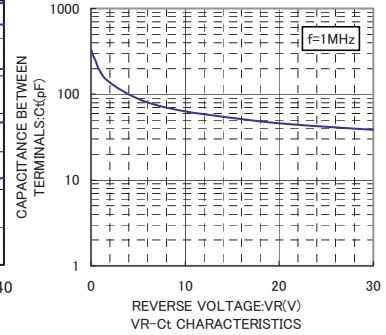
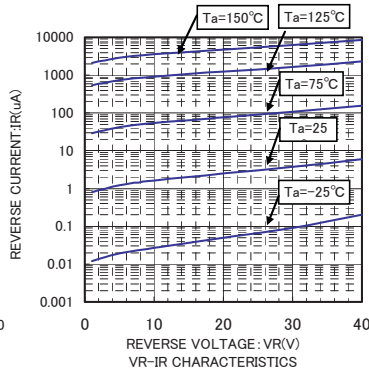
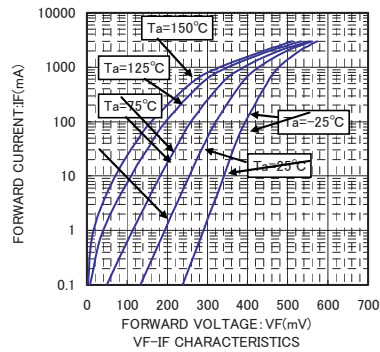
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	I_o	3	A
Forward current surge peak (60Hz•1cyc)	I_{FSM}	70	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

(*1)Tc=80°Cmax Mounted on epoxy board. 160°Half sine wave

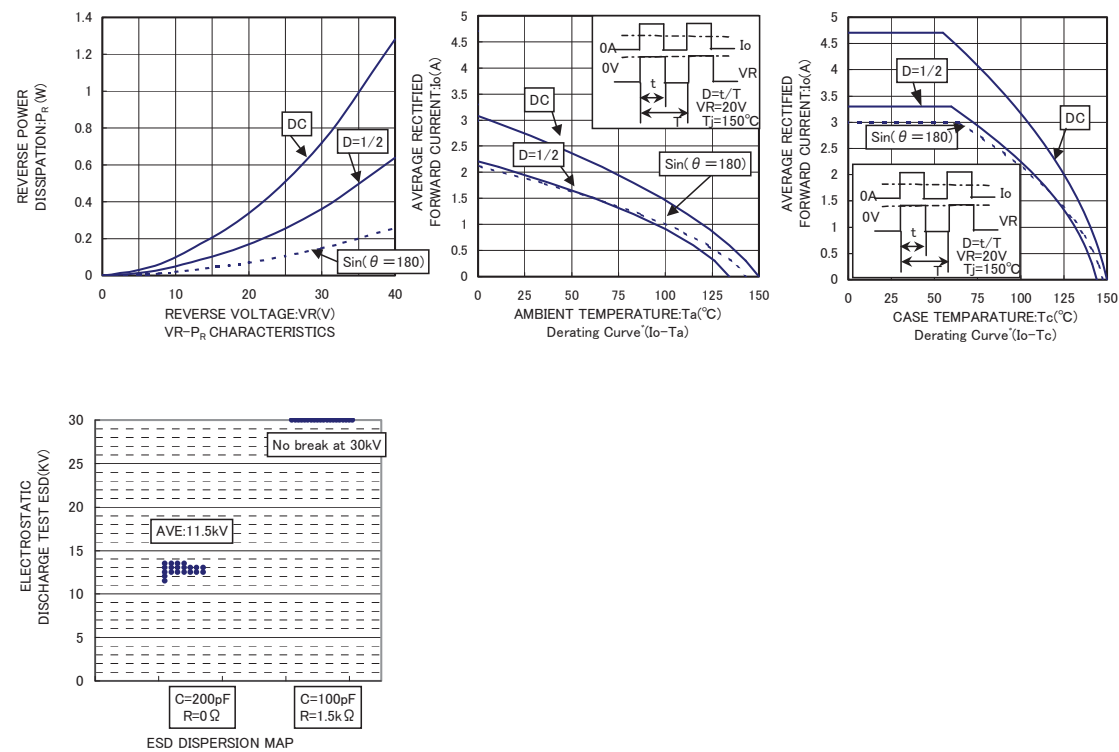
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F1	-	-	0.55	V	$I_F=1.5A$
	V_F2	-	-	0.62	V	$I_F=3.0A$
Reverse current	I_R	-	-	100	μA	$V_R=40V$

Diodes

●Electrical characteristic curves



Diodes



Notes

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