

RB050LA-40

General rectification

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

Silicon epitaxial planer

The drawing shows the mechanical specifications of the ROHM PMDT package. The top view indicates a width of 2.6 ± 0.2 mm and a height of 3.8 ± 0.2 mm. A mounting tab on the right has a width of 0.1 mm. The side view shows a total thickness of 4.7 ± 0.3 mm and a base thickness of 0.95 ± 0.1 mm. A bottom view shows a width of 1.5 ± 0.2 mm. The package is labeled with '35' and a circled '1'.

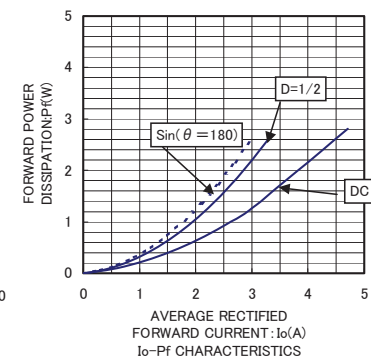
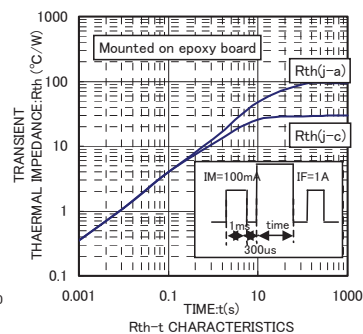
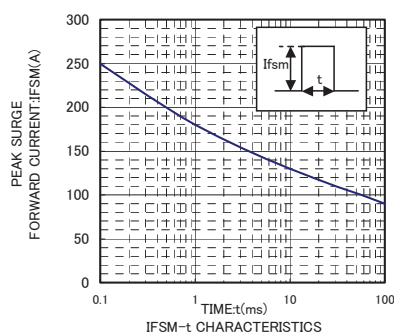
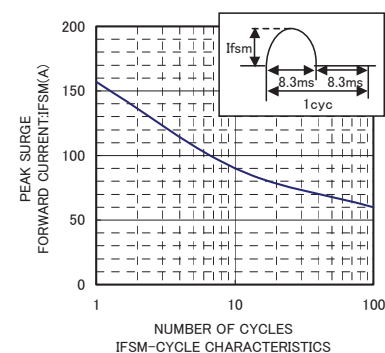
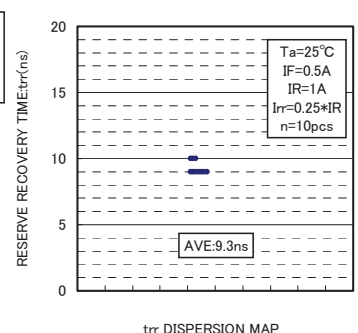
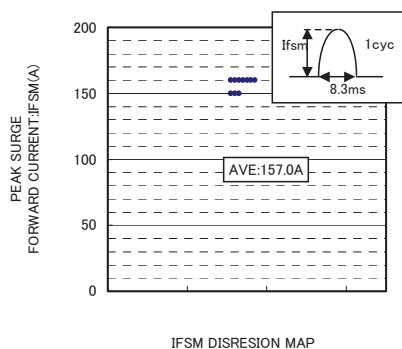
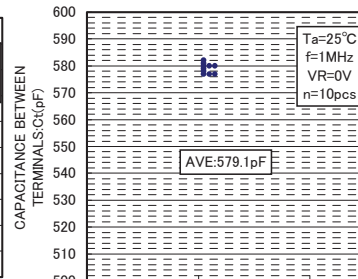
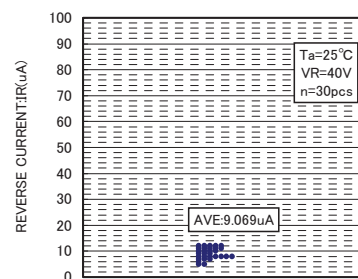
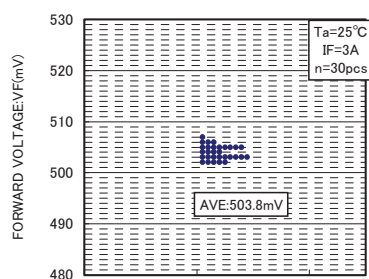
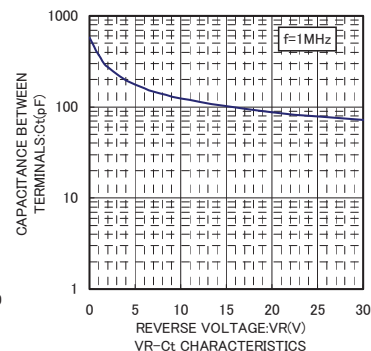
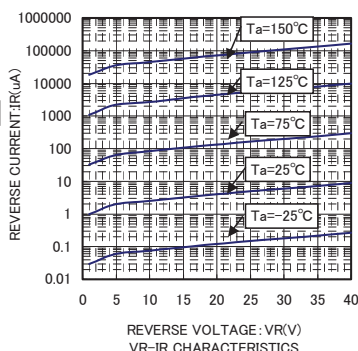
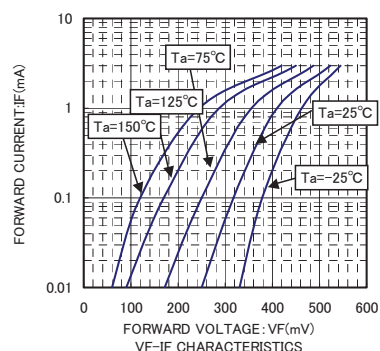
[illegible]

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

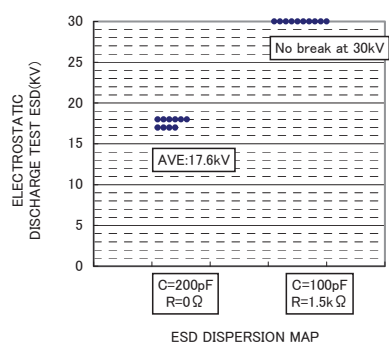
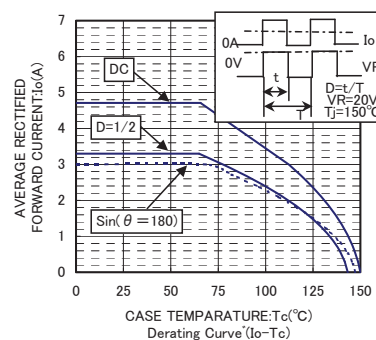
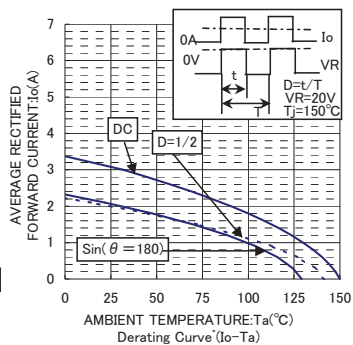
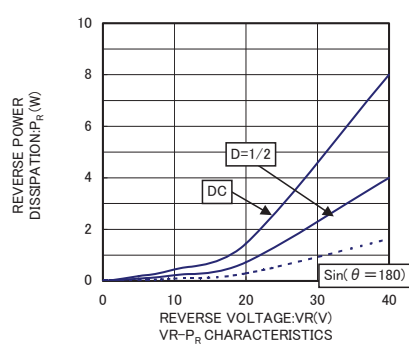
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F1	-	-	0.50	V	$I_F=1.5A$
	V_F2	-	-	0.55	V	$I_F=3.0A$
Reverse current	I_R	-	-	0.1	mA	$V_R=40V$

Diodes

●Electrical characteristic curves



Diodes



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