

RB225T-60

Switching power supply

- 1) Cathode common type.
(TO-220)
- 2) Low I_R
- 3) High reliability

Silicon epitaxial planar

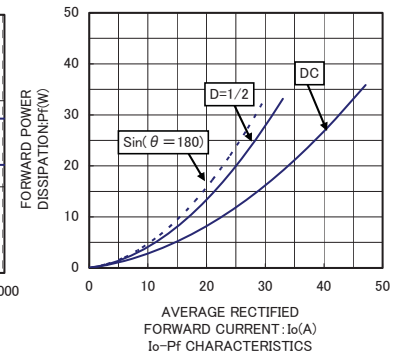
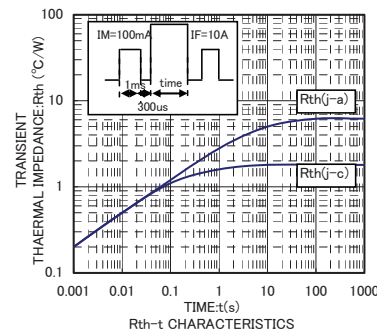
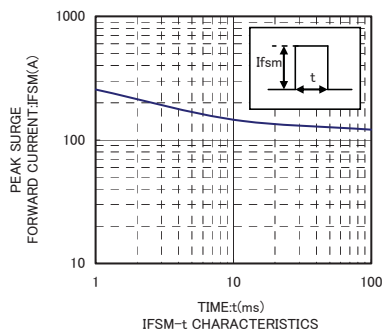
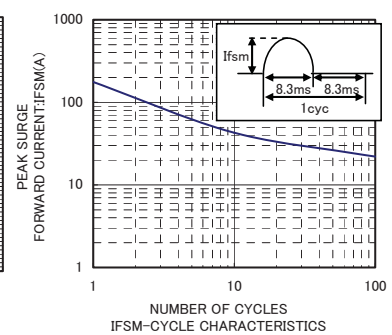
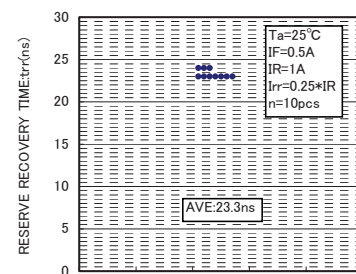
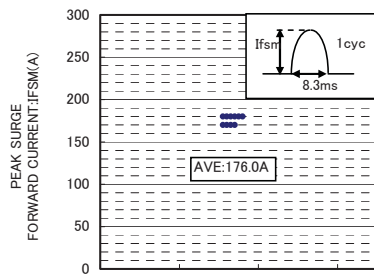
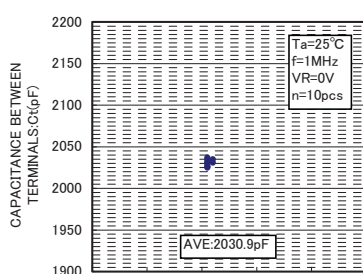
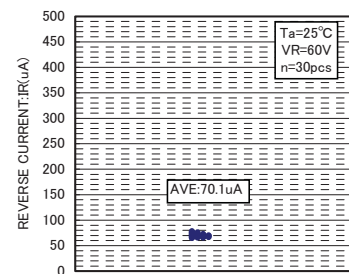
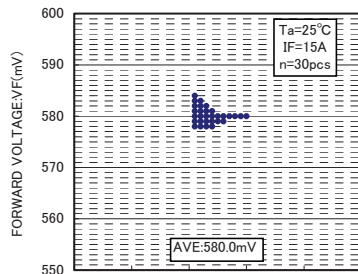
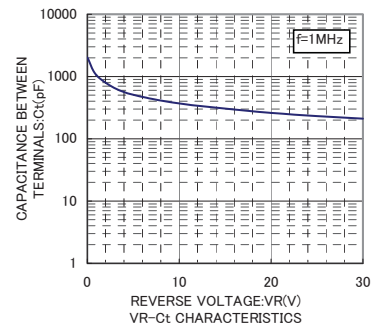
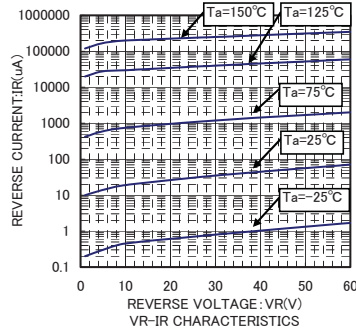
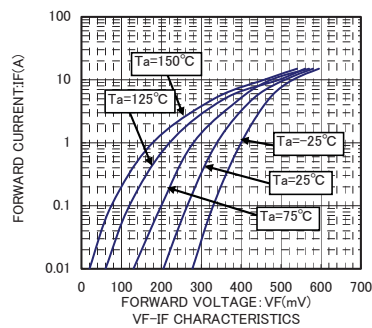
The drawing shows the mechanical specifications for the RB225T-60 package. The top view (left) shows a square body with a width of 10.0 ± 0.3 mm and a central circular feature with a diameter of 0.1 mm. The side view (right) shows a total height of 15.0 ± 0.4 mm. The package has a central pin with a diameter of 0.7 ± 0.1 mm and a base width of 2.6 ± 0.5 mm. The drawing also indicates a minimum length of 13.5 mm for the central pin area.

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	60	V
Reverse voltage (DC)	V_R	60	V
Average rectified forward current (*1)	I_o	30	A
Forward current surge peak (60Hz · 1cyc) (*1)	I_{FSM}	100	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

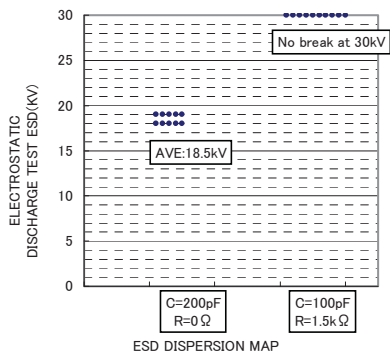
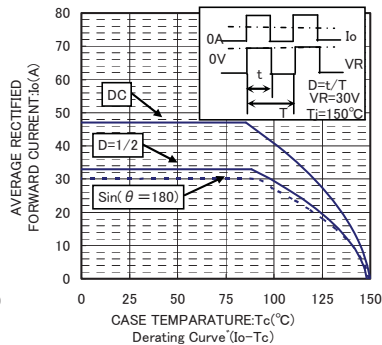
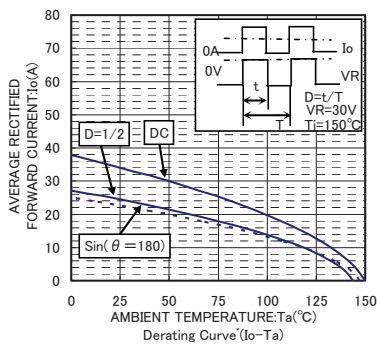
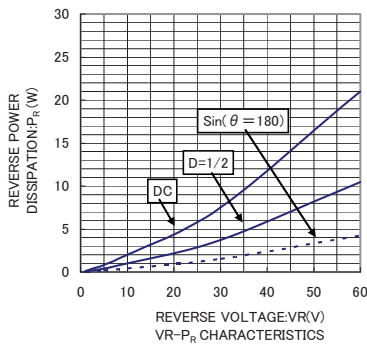
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward characteristics	V_F	-	-	0.63	V	$I_F=15A$
Reverse characteristics	I_R	-	-	600	μA	$V_R=60V$
Thermal impedance	θ_{jc}	-	-	1.75	$^{\circ}C/W$	junction to case

Diodes

●Electrical characteristic curves



Diodes



Notes

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