

Application

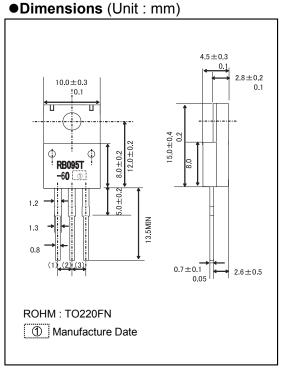
Switching power supply

Features

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

Construction

Silicon epitaxial planar







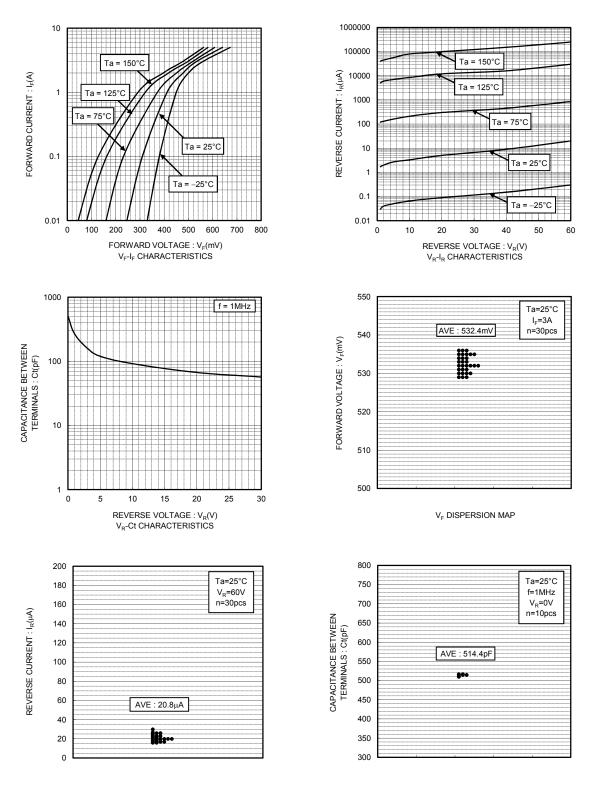
●Absolute maximum ratings (Ta = 25°C)

| Symbol | Limits | Unit | | | | | | | |
|------------------|---|---|--|--|--|--|--|--|--|
| V _{RM} | 60 | V | | | | | | | |
| V _R | 60 | V | | | | | | | |
| lo | 6 | А | | | | | | | |
| I _{FSM} | 100 | А | | | | | | | |
| Tj | 150 | °C | | | | | | | |
| Tstg | -40 to +150 | °C | | | | | | | |
| | V _{RM} V _R Io I _{FSM} Tj | V _{RM} 60 V _R 60 Io 6 I _{FSM} 100 Tj 150 | | | | | | | |

(*1) Business frequencies, Rating of R-load, 1/2 lo per diode, Tc=130°C

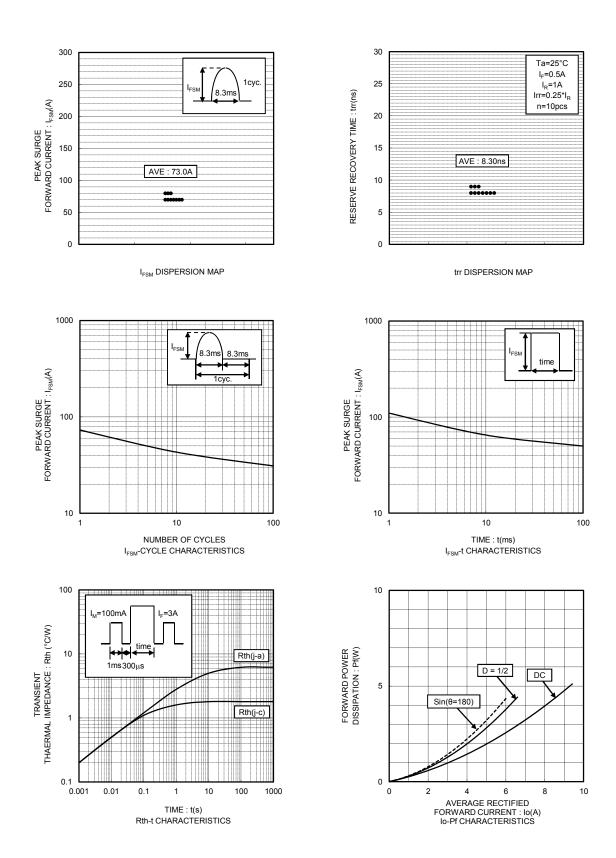
•Electrical characteristics (Ta= 25°C)

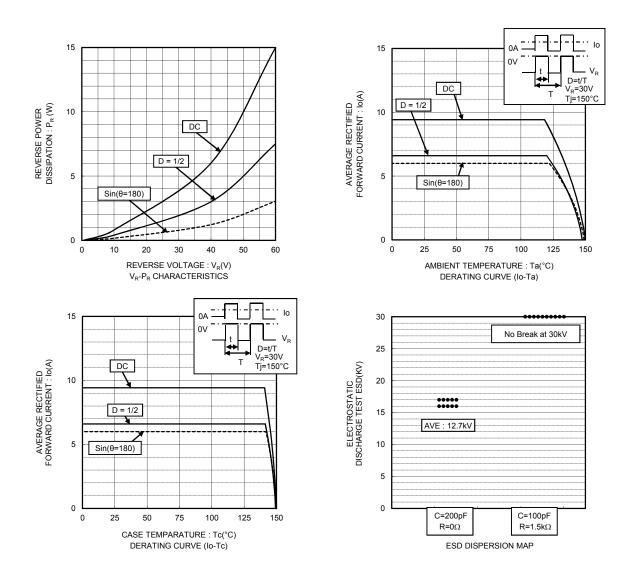
| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions |
|-------------------|----------------|------|------|------|------|---------------------|
| Forward voltage | V_{F} | - | - | 0.58 | V | I _F =3A |
| Reverse current | I _R | - | - | 300 | μA | V _R =60V |
| Thermal impedance | θјс | - | - | 3.0 | °C/W | junction to case |



IR DISPERSION MAP

Ct DISPERSION MAP





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