

# 30A Schottky barrier diode in TO220F package

# FMB-2306

- Feature    ●  $I_F = 30A$  in TO220F package
- $T_j = 150^\circ C$  guaranteed

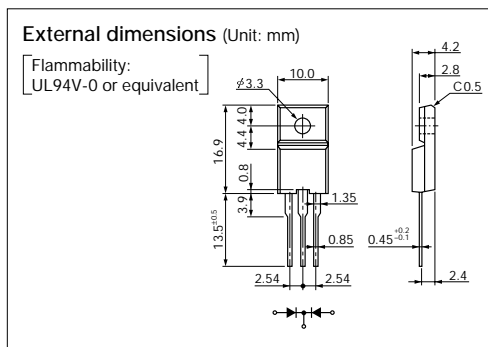
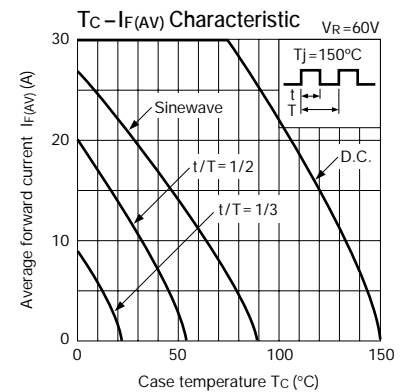
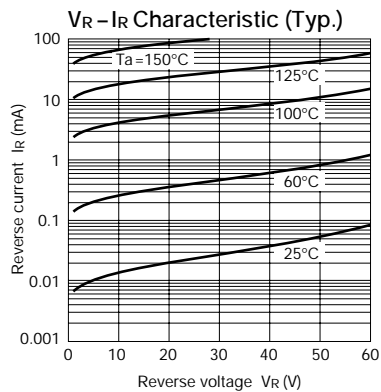
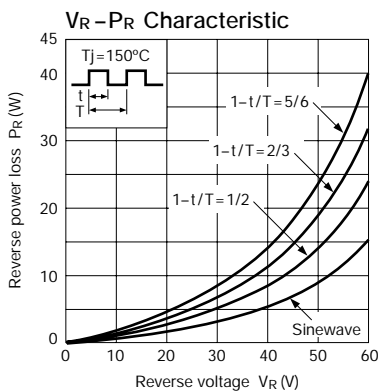
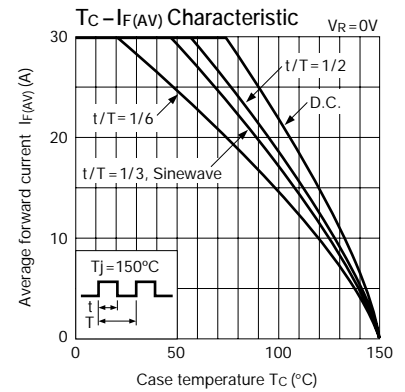
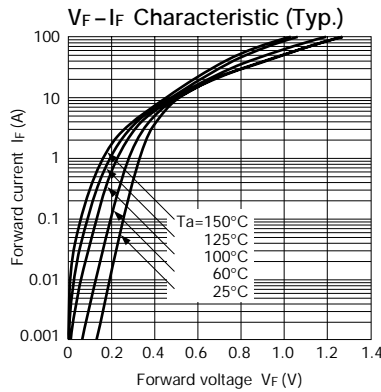
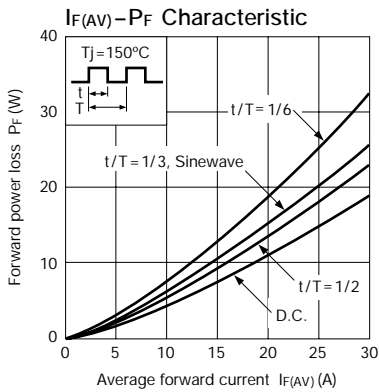
### ■ Absolute maximum ratings

| Parameter   | Ratings     | Unit       | Conditions                           |
|-------------|-------------|------------|--------------------------------------|
| $V_{RM}$    | 60          | V          |                                      |
| $I_{F(AV)}$ | 30          | A          |                                      |
| $I_{FSM}$   | 150         | A          | 10ms Half-cycle sinewave Single Shot |
| $I^2t$      | 112         | $A^2s$     |                                      |
| $T_j$       | -40 to +150 | $^\circ C$ |                                      |
| $T_{stg}$   | -40 to +150 | $^\circ C$ |                                      |

### ■ Electrical characteristics

( $T_a = 25^\circ C$ )

| Parameter     | Ratings | Unit         | Conditions                        |
|---------------|---------|--------------|-----------------------------------|
| $V_F$         | 0.7max  | V            | $I_F = 15A$                       |
| $I_R$         | 8.0max  | mA           | $V_R = V_{RM}$                    |
| $H.I.R1$      | 115max  | mA           | $T_j = 125^\circ C, V_R = V_{RM}$ |
| $H.I.R2$      | 400max  | mA           | $T_j = 150^\circ C, V_R = V_{RM}$ |
| $R_{th(j-c)}$ | 4.0max  | $^\circ C/W$ | Junction-to-case                  |



### Reference data

