



## Maximum Ratings

| Symbol      | Conditions                                               | Values      | Units                |
|-------------|----------------------------------------------------------|-------------|----------------------|
| $V_R$       |                                                          | 100         | V                    |
| $I_{F(AV)}$ | $T_C=125^{\circ}\text{C}$ , Per Diode                    | 100         | A                    |
|             | $T_C=125^{\circ}\text{C}$ , Per Module                   | 200         | A                    |
| $I_{FSM}$   | 1/2 Cycle , 60Hz, Sine                                   | 1500        | A                    |
| $I^2t$      | $T_J=45^{\circ}\text{C}$ , $t=8.3\text{ms}$ , 60Hz, Sine | 11250       | $\text{A}^2\text{s}$ |
| $T_J$       |                                                          | -40 to +150 | $^{\circ}\text{C}$   |
| $T_{STG}$   |                                                          | -40 to +150 | $^{\circ}\text{C}$   |
| Visol       | 3600V AC 1s                                              | 1           | mA                   |
| Torque      | Recommended M4                                           | 0.6 1.2     | N·m                  |
| Torque      | Recommended M4                                           | 0.6 1       | N·m                  |
| Weight      |                                                          | 27          | g                    |



## Performance Curves

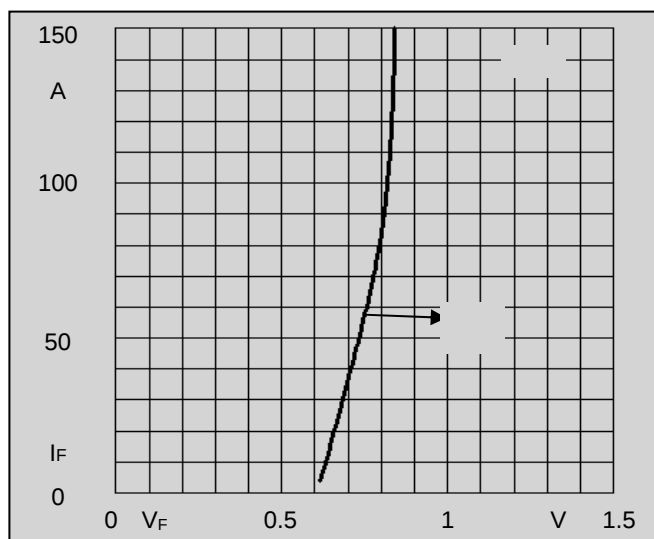


Fig1. Forward Voltage Drop vs Forward Current

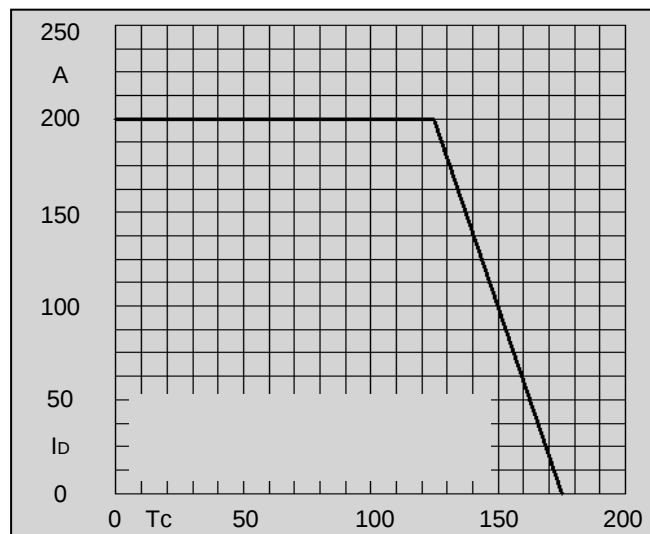


Fig2. Forward Current Derating Curve

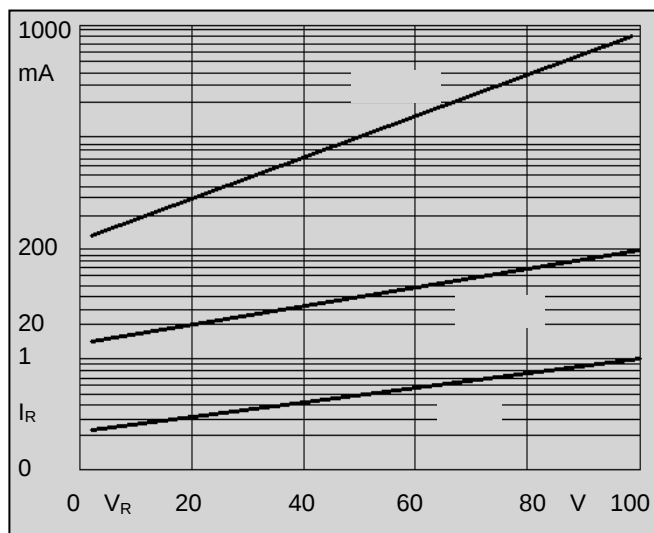
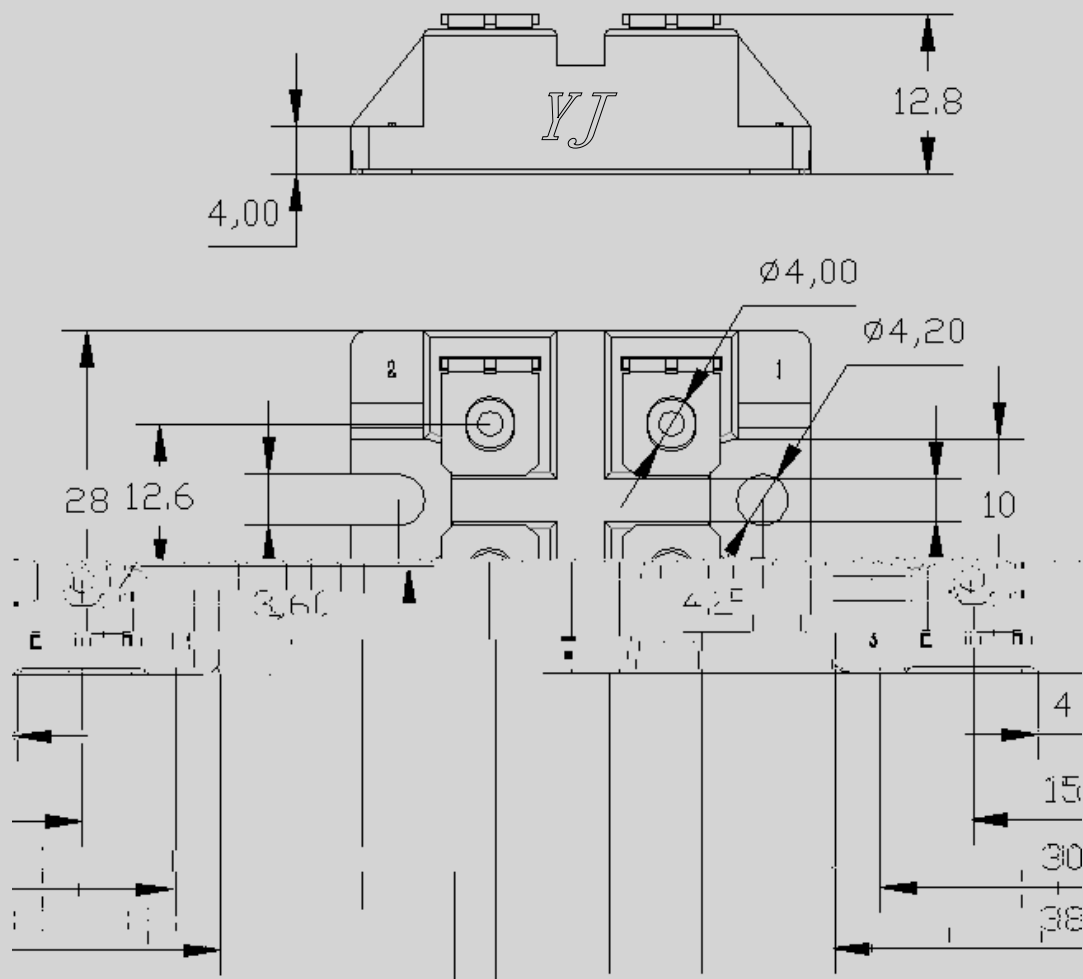


Fig3. Typical Reverse Current



## Package Outline Information

CASE: FJ



Dimensions in mm