

# Schottky Barrier Diodes 20V

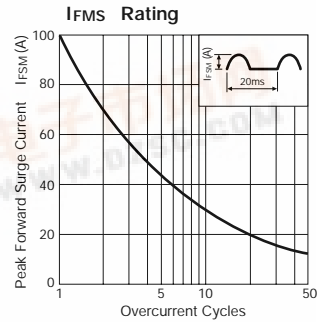
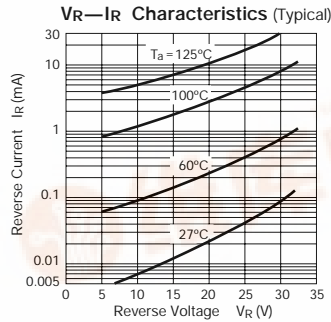
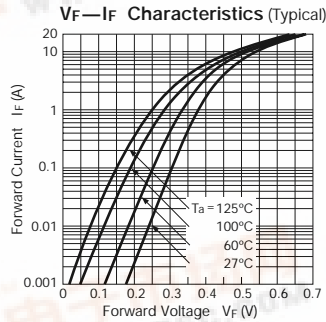
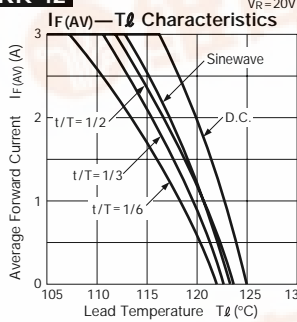
| Parameter<br>Type No. | Absolute Maximum Ratings |                           |   |                        |                          | Electrical Characteristics (Ta=25°C) |                       |                        |                           |                         |                                | Others      |      |  |   |   |
|-----------------------|--------------------------|---------------------------|---|------------------------|--------------------------|--------------------------------------|-----------------------|------------------------|---------------------------|-------------------------|--------------------------------|-------------|------|--|---|---|
|                       | V <sub>RM</sub><br>(V)   | I <sub>F(AV)</sub><br>(A) | I <sub>FSM</sub><br>(A)<br>50Hz<br>Half-cycle Sinewave<br>Single Shot | T <sub>J</sub><br>(°C) | T <sub>stg</sub><br>(°C) | V <sub>F</sub><br>(V)                |                       | I <sub>R</sub><br>(mA) | I <sub>R(H)</sub><br>(mA) | t <sub>rr</sub><br>(ns) | R <sub>th(j-ℓ)</sub><br>(°C/W) | Mass<br>(g) | Fig. |  |   |   |
|                       |                          |                           |   |                        |                          | max                                  | I <sub>F</sub><br>(A) |                        |                           |                         |                                |             |      | V <sub>R</sub> =V <sub>RM</sub><br>max | V <sub>R</sub> =V <sub>RM</sub><br>Ta=100°C max | I <sub>F</sub> /I <sub>RP</sub><br>(mA) |
| EK 02 *               | 20                       | 1.0                       | 40  | -40 to +150            | 0.47                     | 1.0                                  | 0.25                  | 10                     | 100                       | 100/100                 | 20.0                           | 0.3         | Ⓐ    |  |   |   |
| EK 12 *               |                          | 2.0                       | 60  |                        |                          | 2.0                                  | 0.5                   | 20                     |                           |                         |                                |             |      | 17.0                                   | 0.3   | Ⓑ                                       |
| RK 42                 |                          | 3.0                       | 100   |                        |                          | 3.0                                  | 1.00                  | 20                     |                           |                         |                                |             |      |  |   |   |

\* Under development

## EK 02

## EK 12

## RK 42



### External Dimensions (Unit: mm)

Flammability:  
UL94V-0 or Equivalent

Fig. Ⓐ

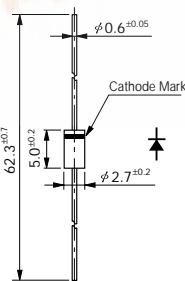


Fig. Ⓑ

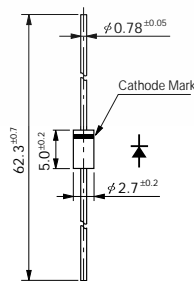


Fig. Ⓒ

