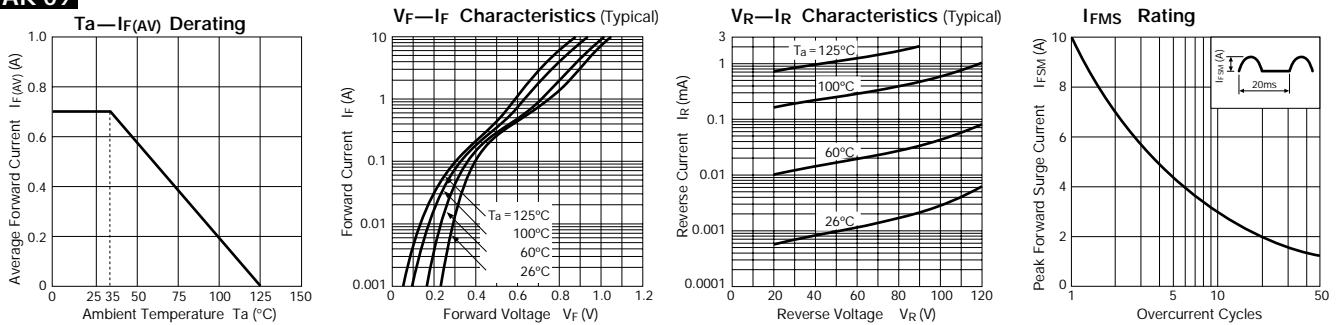


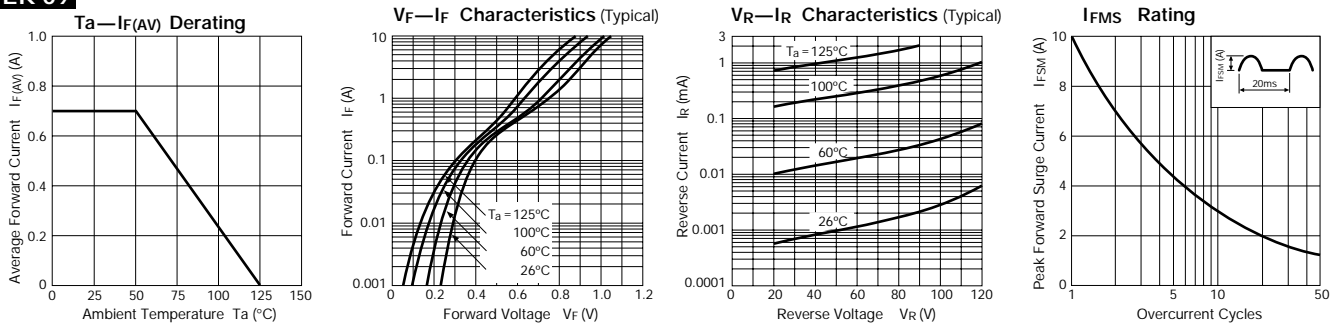
# Schottky Barrier Diodes 90V

| Parameter<br>Type No. | Absolute Maximum Ratings |            |  |             |           | Electrical Characteristics (Ta = 25°C) |         |   |          |             | Others          |          |      |     |
|-----------------------|--------------------------|------------|--|-------------|-----------|--|---------|---|----------|-------------|-----------------|----------|------|-----|
|                       | VRM (V)                  | IF(AV) (A) | IFSM (A)<br>50Hz Half-cycle Sinewave Single Shot | TJ (°C)     | Tstg (°C) | VF (V)<br>max                          | IR (mA) | IR (H) (mA)<br>VR = VRM max<br>VR = VRM<br>Ta = 100°C max | trr (ns) | IF/IRP (mA) | Rth(j-ℓ) (°C/W) | Mass (g) | Fig. |     |
|                       |                          |            |  |             |           |  |         |   |          |             |                 |          |      |     |
| AK 09                 | 90                       | 0.7        | 10   | -40 to +150 | 0.81      | 0.7                                    | 1.0     | 5   | 100      | 100/100     | 22.0            | 0.13     | Ⓐ    |     |
| EK 09                 |                          |            |  |             |           |  |         |   |          |             |                 |          | Ⓑ    |     |
| EK 19                 |                          | 1.5        | 40   |             |           | 1.5                                    | 2.0     | 10  |          |             |                 |          | 17.0 | Ⓒ   |
| RK 19                 |                          |            |  |             |           |  |         |   |          |             |                 |          |      | Ⓓ   |
| RK 39                 |                          | 2.0        | 50   |             |           | 2.0                                    | 3.0     | 15  |          |             |                 |          | 12.0 | Ⓔ   |
| RK 49                 |                          | 3.5        | 60   |             |           | 3.5                                    | 5.0     | 35  |          |             |                 |          | 8.0  | 1.2 |

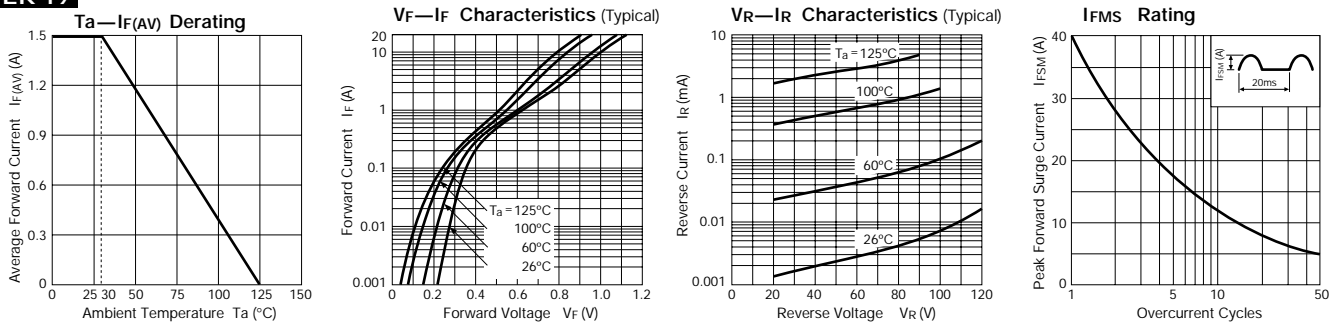
## AK 09



## EK 09

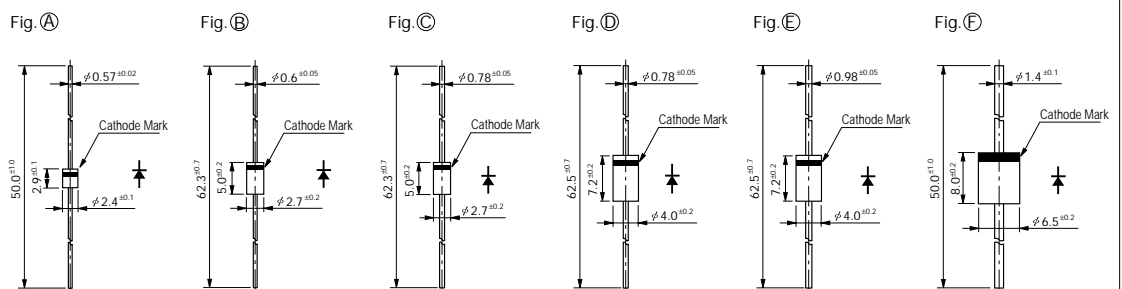


## EK 19

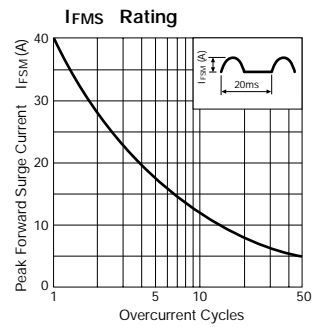
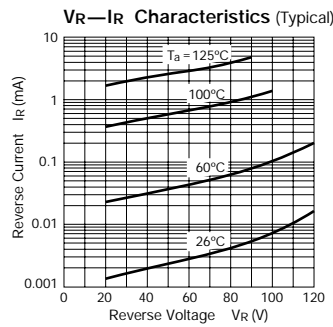
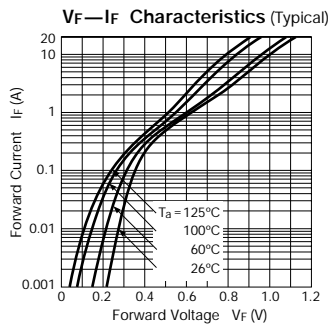
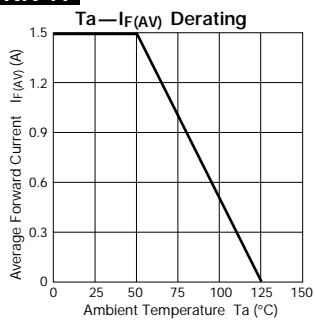


## External Dimensions (Unit: mm)

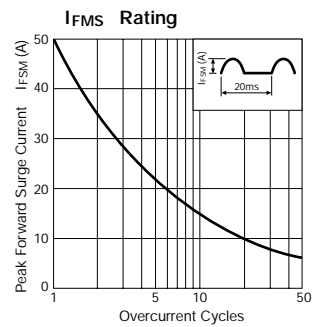
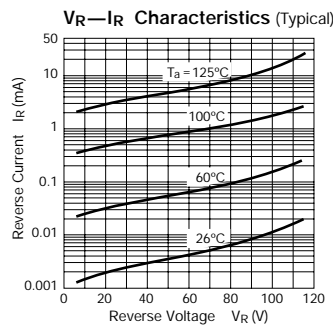
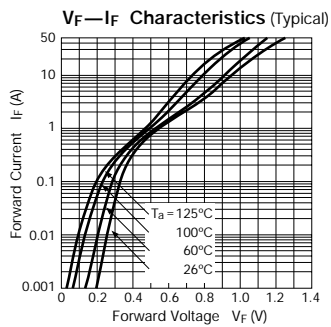
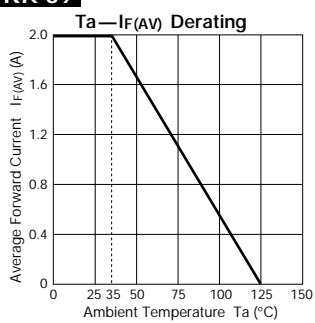
Flammability:  
UL94V-0 or Equivalent



**RK 19**



**RK 39**



**RK 49**

