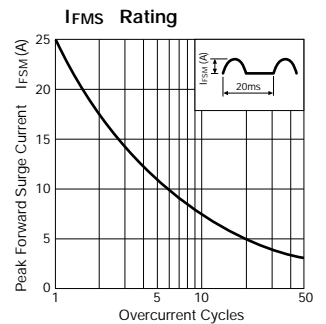
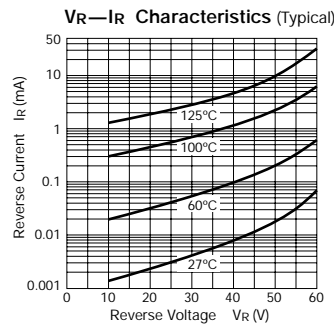
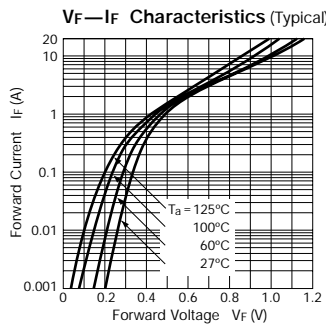
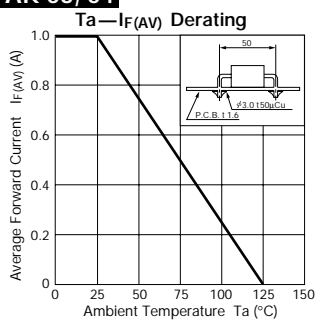


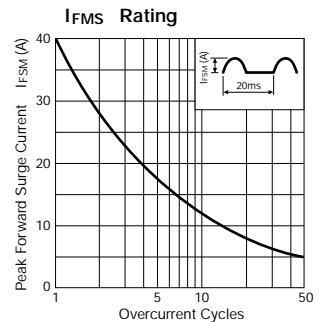
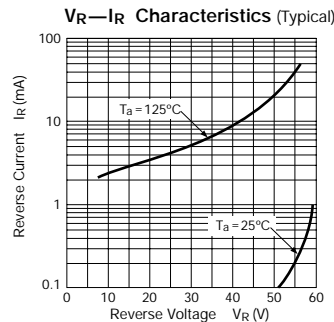
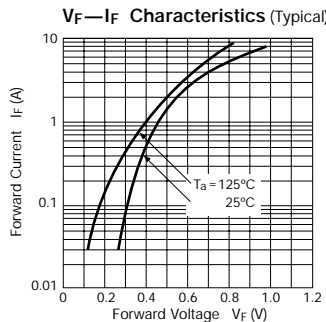
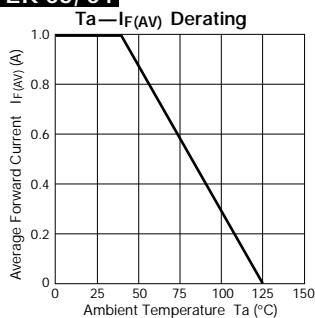
Schottky Barrier Diodes 30V, 40V

| Type No. | Parameter | Absolute Maximum Ratings | | | | | Electrical Characteristics (Ta=25°C) | | | | | Others | | |
|----------|-----------|--------------------------|------------|--|---------|-----------|--------------------------------------|---------------|---|----------|-------------|-----------------|----------|------|
| | | VRM (V) | IF(AV) (A) | IFSM (A) 50Hz Half-cycle Sinewave Single Shot | TJ (°C) | Tstg (°C) | VF (V) max | IR (mA) | IR (H) (mA) VR=VRM max Ta=100°C max | Irr (ns) | IF/IRP (mA) | Rth(j-ℓ) (°C/W) | Mass (g) | Fig. |
| | | | | | | | | | | | | | | |
| AK 03 | 30 | 1.0 | 25 | -40 to +150 | 0.55 | 1.0 | 1.0 | 50 (Tj=100°C) | 100 | 100/100 | 22.0 | 0.13 | (A) | |
| EK 03 | | | 40 | | | 1.0 | | | | | | | 20.0 | (B) |
| EK 13 | | | 1.5 | | | 17.0 | | | | | | | (C) | |
| RK 13 | | | 1.7 | | | 15.0 | | | | | | | (D) | |
| RK 33 | | | 2.5 | | | 12.0 | | | | | | | (E) | |
| RK 43 | | | 3.0 | | | 8.0 | | | | | | | (F) | |
| AK 04 | 40 | 1.0 | 25 | -40 to +150 | 0.55 | 1.0 | 1.0 | 50 (Tj=100°C) | 100 | 100/100 | 22.0 | 0.13 | (A) | |
| EK 04 | | | 40 | | | 1.0 | | | | | | | 20.0 | (B) |
| EK 14 | | | 1.5 | | | 17.0 | | | | | | | (C) | |
| RK 14 | | | 1.7 | | | 15.0 | | | | | | | (D) | |
| RK 34 | | | 2.5 | | | 12.0 | | | | | | | (E) | |
| RK 44 | | | 3.0 | | | 8.0 | | | | | | | (F) | |

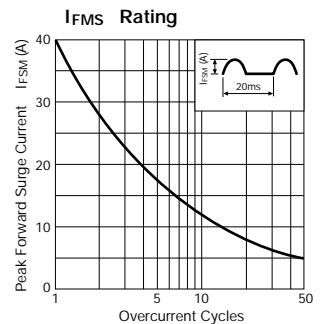
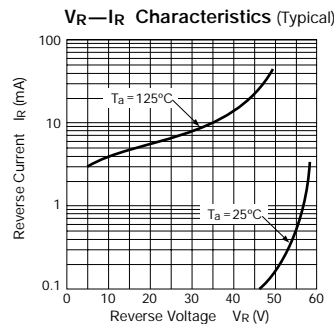
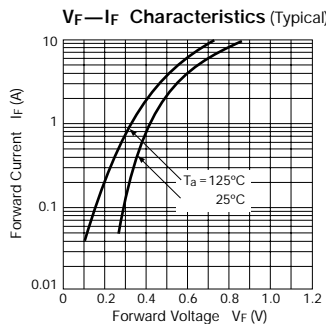
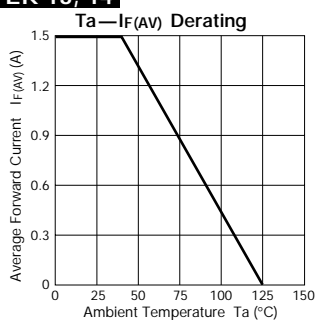
AK 03, 04



EK 03, 04

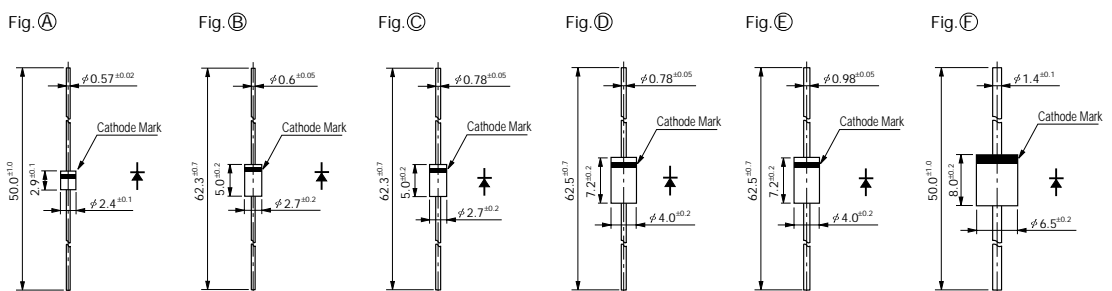


EK 13, 14



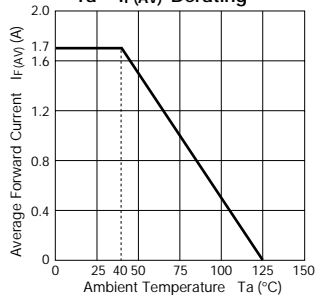
External Dimensions (Unit: mm)

Flammability:
UL94V-0 or Equivalent

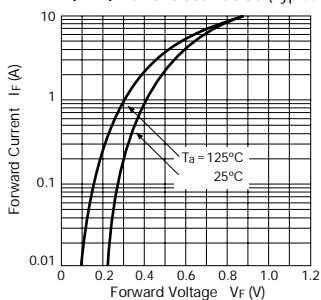


RK 13, 14

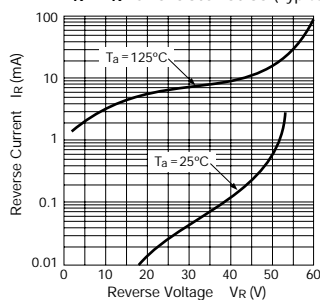
T_a—I_{F(AV)} Derating



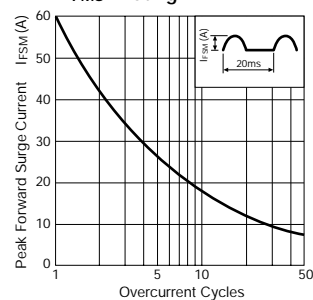
V_F—I_F Characteristics (Typical)



V_R—I_R Characteristics (Typical)

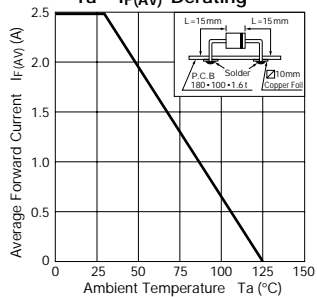


I_{FMS} Rating

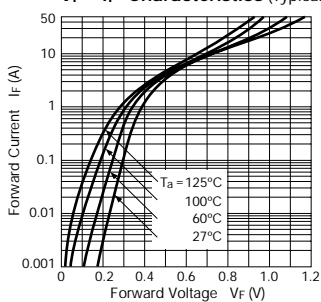


RK 33, 34

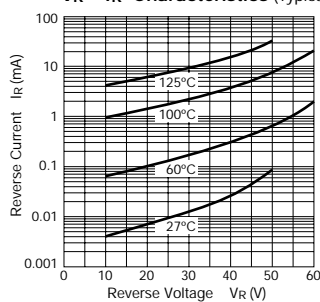
T_a—I_{F(AV)} Derating



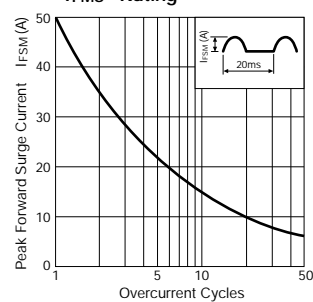
V_F—I_F Characteristics (Typical)



V_R—I_R Characteristics (Typical)

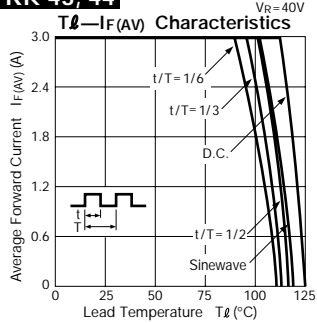


I_{FMS} Rating

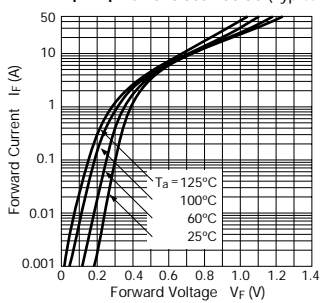


RK 43, 44

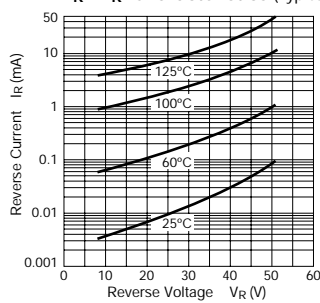
T_l—I_{F(AV)} Characteristics



V_F—I_F Characteristics (Typical)



V_R—I_R Characteristics (Typical)



I_{FMS} Derating

