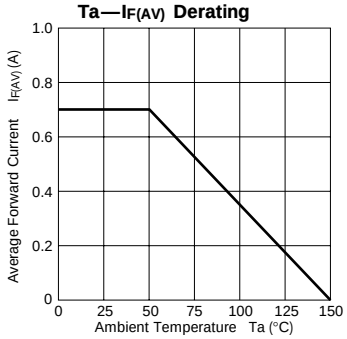
# Fast-Recovery Rectifier Diodes

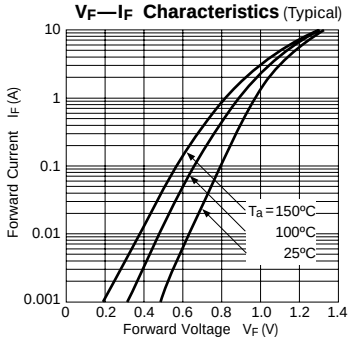
| Type No. \ Parameter | Absolute Maximum Ratings | | | | | Electrical Characteristics (Ta=25°C) | | | | | | | | | Others | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $V_{RM}$ (V) | $I_{F(AV)}$ (A) | $I_{FSM}$ (A) 50Hz Half-cycle Sinewave Single Shot | Tj (°C) | Tstg (°C) | $V_F$ (V) max | $V_F$ (V) $I_F$ (A) | $I_R$ (μA) $V_R=V_{RM}$ max | $I_R$ (H) (μA) $V_R=V_{RM}$ Ta=100°C max | $t_{rr}$① (μs) | $t_{rr}$① (μs) $I_F/I_{RP}$ (mA) | $t_{rr}$② (μs) | $t_{rr}$② (μs) $I_F/I_{RP}$ (mA) | Rth (j-ℓ) (°C/W) | Mass (g) | Fig. |
| RS 1A | 600 | 0.7 | 30 | | | 2.5 | 0.8 | 10 | 200 | 1.5 | 10/10 | 0.6 | 10/20 | 20 | 0.4 | Ⓐ |
| RS 1B | 800 | | | | | | | | | | | | | | | |
| AU01Z | 200 | | | | | | | | | | | | | | | |
| AU01 | 400 | 0.5 | 15 | | | 1.7 | 0.5 | 10 | 150 | 0.4 | 10/10 | 0.18 | 10/20 | 22 | 0.13 | |
| AU01A | 600 | | | | | | | | | | | | | | | |
| AU02Z | 200 | | | | | | | | | | | | | | | Ⓑ |
| AU02 | 400 | 0.8 | 25 | | | 1.3 | 0.8 | 10 | 250 | 0.4 | 10/10 | 0.18 | 10/20 | 22 | 0.13 | |
| AU02A | 600 | | | | | | | | | | | | | | | |
| | | | | | –40 to +150 | | | | | | | | | | | |

## RS 1 series

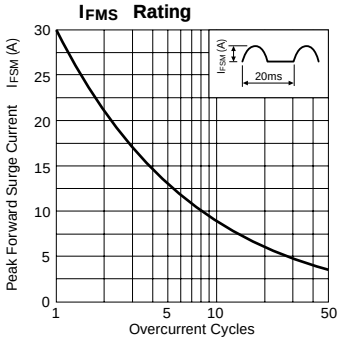
**Ta—$I_{F(AV)}$ Derating**




**$V_F$—$I_F$ Characteristics** (Typical)

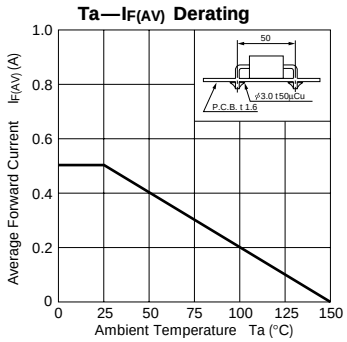



**$I_{FMS}$ Rating**

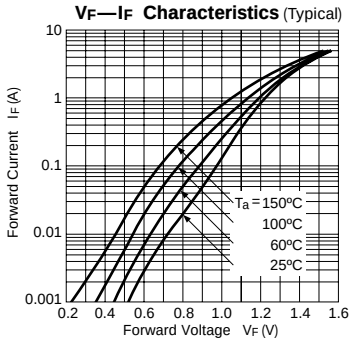



## AU01 series

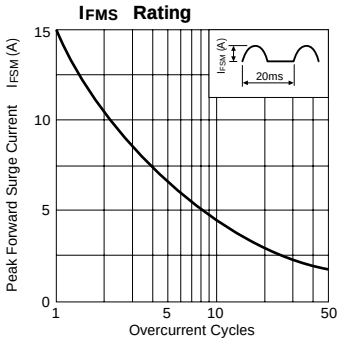
**Ta—$I_{F(AV)}$ Derating**




**$V_F$—$I_F$ Characteristics** (Typical)

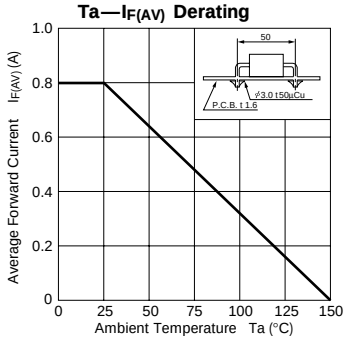



**$I_{FMS}$ Rating**

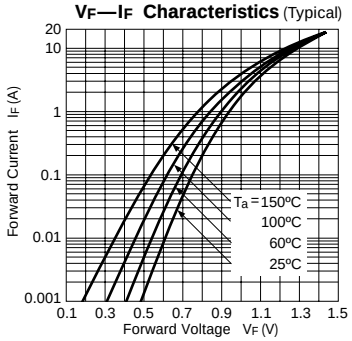



## AU02 series

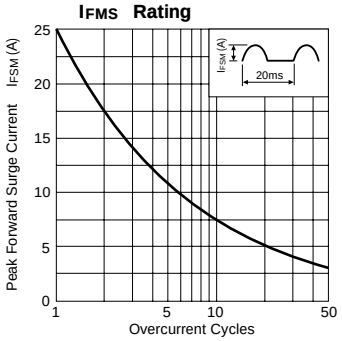
**Ta—$I_{F(AV)}$ Derating**




**$V_F$—$I_F$ Characteristics** (Typical)




**$I_{FMS}$ Rating**




**External Dimensions**
(Unit: mm)

Flammability:
UL94V-0 or Equivalent

Fig.Ⓐ

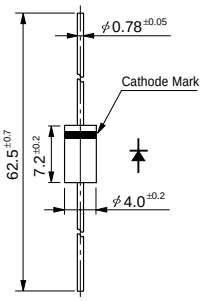



Fig.Ⓑ

