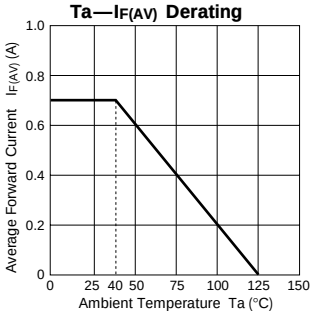
Schottky Barrier Diodes 60V

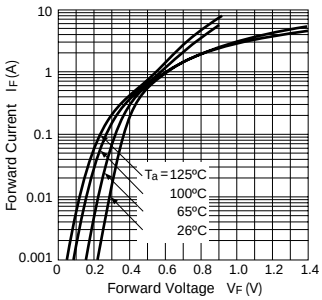
Type No. \ Parameter	Absolute Maximum Ratings					Electrical Characteristics (Ta=25°C)						Others		
	V_{RM} (V)	$I_{F(AV)}$ (A)	I_{FSM} (A) 50Hz Half-cycle Sinewave Single Shot	Tj (°C)	Tstg (°C)	V_F (V) max	V_F (V) I_F (A)	I_R (mA) $V_R=V_{RM}$ max	I_R (H) (mA) $V_R=V_{RM}$ Ta=100°C max	trr (ns)	trr (ns) I_F/I_{RP} (mA)	Rth (j-ℓ) (°C/W)	Mass (g)	Fig.
AK 06	60	0.7	10	–40 to +150		0.62	0.7	1.0	7.5	100	100/100	22.0	0.13	Ⓐ
EK 06												20.0	0.3	Ⓑ
EK 16		1.5	25				1.5		15			17.0		Ⓒ
RK 16												15.0	0.45	Ⓓ
RK 36		2.0	40				2.0	2.0	20			12.0	0.6	Ⓔ
RK 46		3.5	70				3.5	3.0	35			8.0	1.2	Ⓕ

AK 06

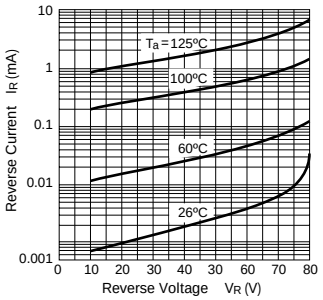
Ta—$I_{F(AV)}$ Derating



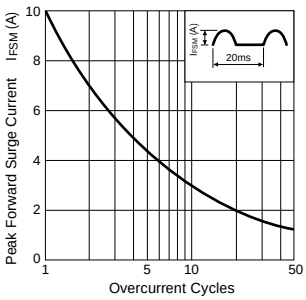
V_F—I_F Characteristics (Typical)



V_R—I_R Characteristics (Typical)

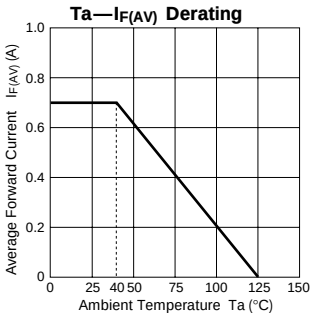


I_{FMS} Rating

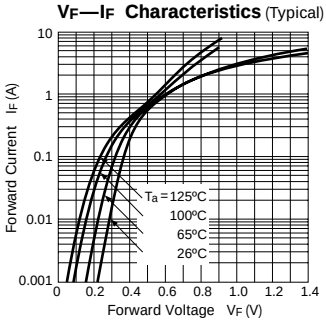


EK 06

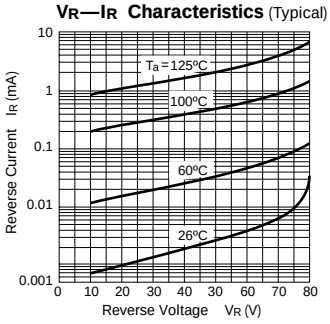
Ta—$I_{F(AV)}$ Derating



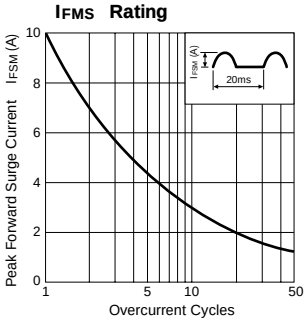
V_F—I_F Characteristics (Typical)



V_R—I_R Characteristics (Typical)

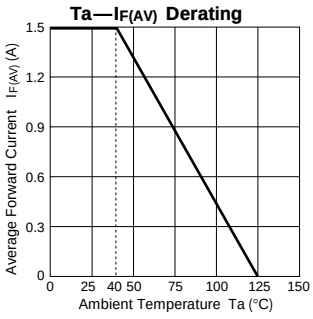


I_{FMS} Rating

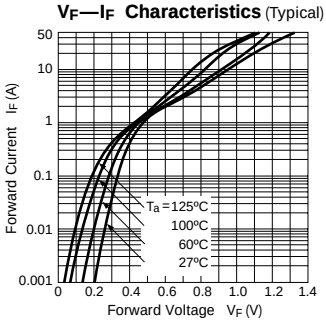


EK 16

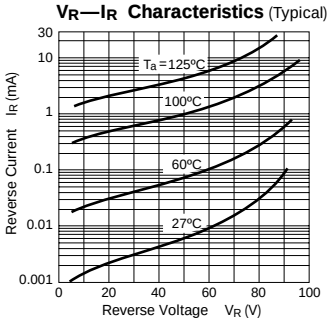
Ta—$I_{F(AV)}$ Derating



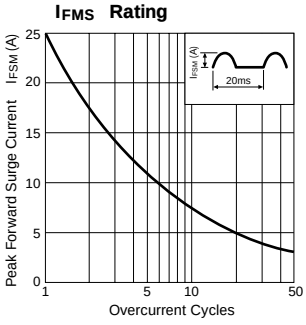
V_F—I_F Characteristics (Typical)



V_R—I_R Characteristics (Typical)



I_{FMS} Rating



External Dimensions
(Unit: mm)

Flammability:
UL94V-0 or Equivalent

Fig.Ⓐ

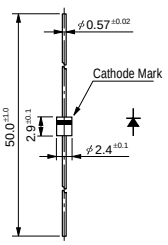


Fig.Ⓑ

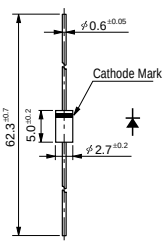


Fig.Ⓒ

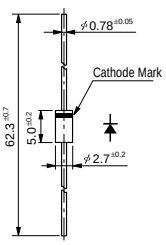


Fig.Ⓓ

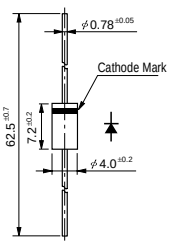


Fig.Ⓔ

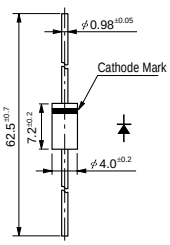
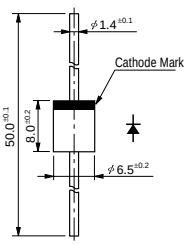
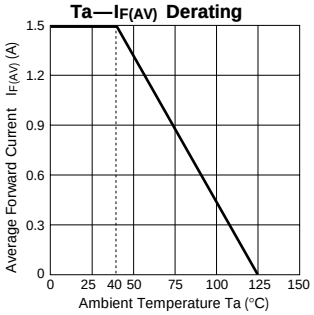


Fig.Ⓕ

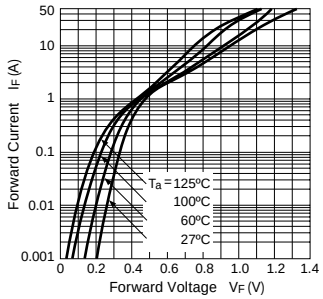


RK 16

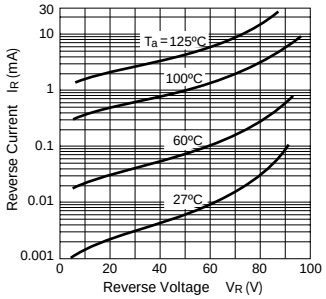
Ta—$I_{F(AV)}$ Derating



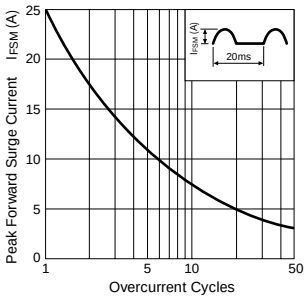
V_F—I_F Characteristics (Typical)



V_R—I_R Characteristics (Typical)

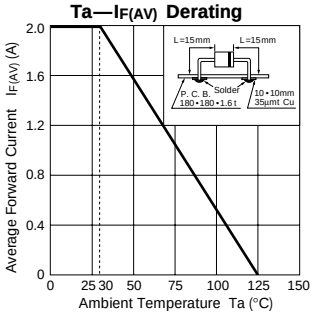


I_{FMS} Rating

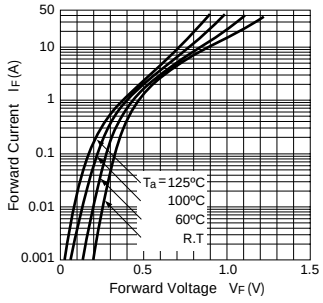


RK 36

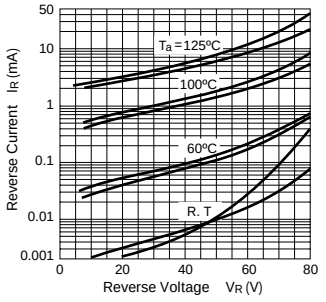
Ta—$I_{F(AV)}$ Derating



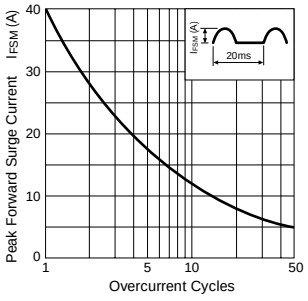
V_F—I_F Characteristics (Typical)



V_R—I_R Characteristics (Typical)

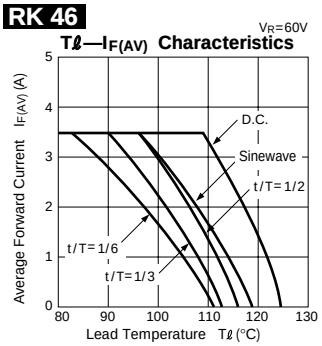


I_{FMS} Rating

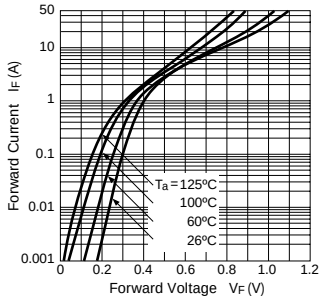


RK 46

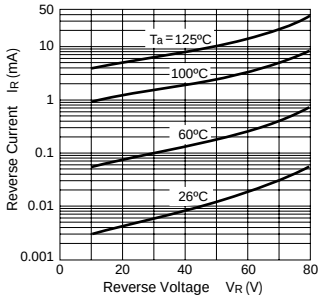
Tℓ—$I_{F(AV)}$ Characteristics



V_F—I_F Characteristics (Typical)



V_R—I_R Characteristics (Typical)



I_{FMS} Rating

