Fast-Recovery Rectifier Diodes 1000V

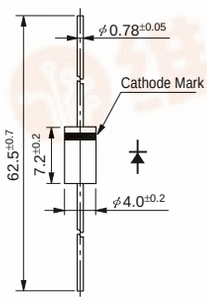
t_{rr}①: I_F/I_R (=I_F) 90% Recovery Point (ex. I_F/I_R =100mA/100mA 90% Recovery Point)
t_{rr}②: I_F/I_R (=2 I_F) 75% Recovery Point (ex. I_F/I_R =100mA/200mA 75% Recovery Point)

V_{RM} (V)	Package	Part Number	$I_{F(AV)}$ (A) ( ) is with Heatsink	I_{FSM} (A) 50Hz Half-cycle Sinewave Single Shot	Tj (°C)	Tstg (°C)	V_F (V) max	I_F (A)	I_R (μA) $V_R=V_{RM}$ max	$I_{R(H)}$ (μA) $V_R=V_{RM}$ max	Ta (°C)	t_{rr}① (μs)	I_F/I_{FP} (mA)	t_{rr}② (μs)	I_F/I_{FP} (mA)	Rth (j-ℓ) (°C/W)	Mass (g)	Fig. No.	Page where characteristic curve is shown
1000	Axial	RU 1C	0.2	15	–40 to +150		3.0	0.25	10	200	100	0.4	10/10	0.18	10/20	15	0.4		57
		RH 1C	0.6	35	–40 to +150		1.3	0.6	5	70	150	4	10/10	1.3	10/20	15	0.4	1	56
		RU 2C	0.8	20	–40 to +150		1.5	1.0	10	300	100	0.4	10/10	0.18	10/20	15	0.4		57
		RU 3C	1.5	20	–40 to +150		2.5	1.5	10	400	100	0.4	10/10	0.18	10/20	12	0.6	2	58
		RU 4C	1.5 (2.5)	50	–40 to +150		1.6	3.0	50	500	100	0.4	100/100	0.18	100/200	8	1.2	3	59

■External Dimensions

Flammability: UL94V-0 or Equivalent (Unit: mm)

1



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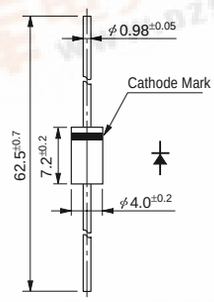

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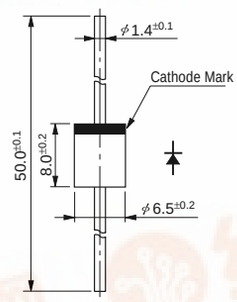
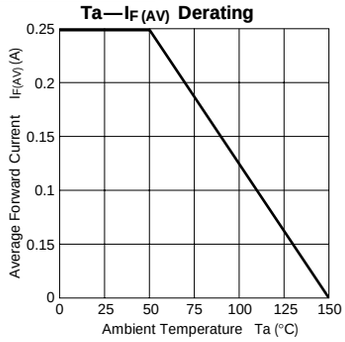


Characteristic Curves

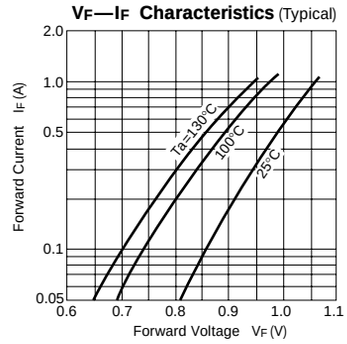
Fast-Recovery Rectifier Diodes

RU 1 series

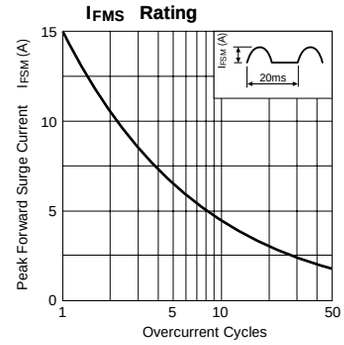
Ta—$I_{F(AV)}$ Derating



V_F—I_F Characteristics (Typical)

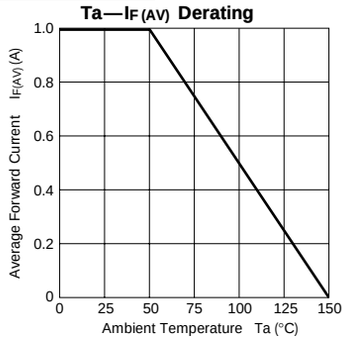


I_{FMS} Rating

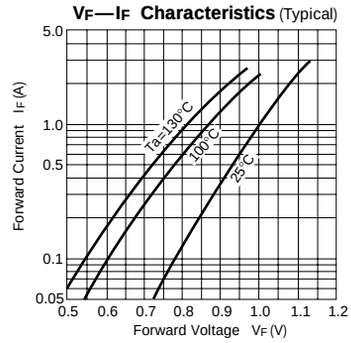


RU 2 series

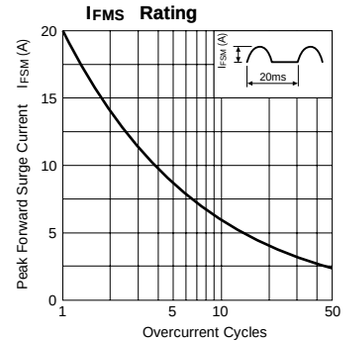
Ta—$I_{F(AV)}$ Derating



V_F—I_F Characteristics (Typical)

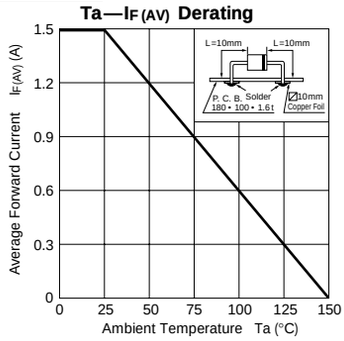


I_{FMS} Rating

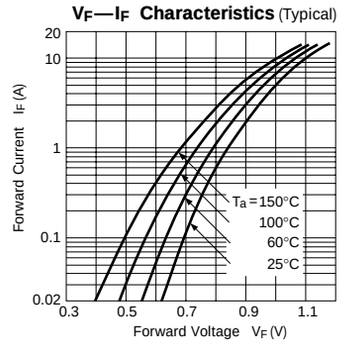


RU 2YX

Ta—$I_{F(AV)}$ Derating



V_F—I_F Characteristics (Typical)



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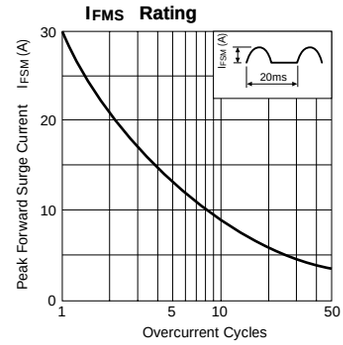

RU 2M series

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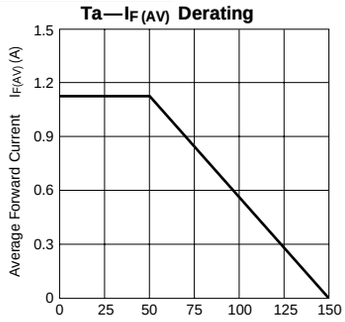
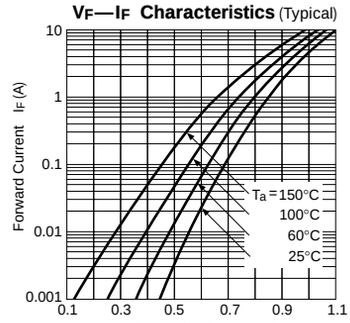
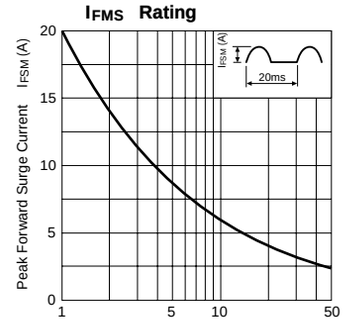


V_F—I_F Characteristics (Typical)

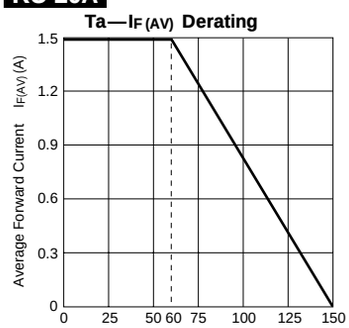


I_{FMS} Rating

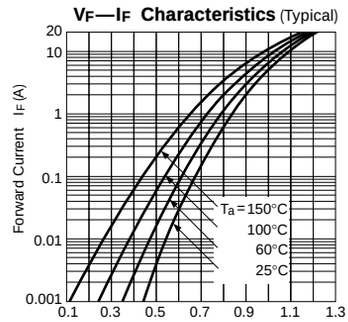


RU 20A

Ta—$I_{F(AV)}$ Derating



V_F—I_F Characteristics (Typical)



I_{FMS} Rating