

Ultra-Fast-Recovery Rectifier Diodes 400V

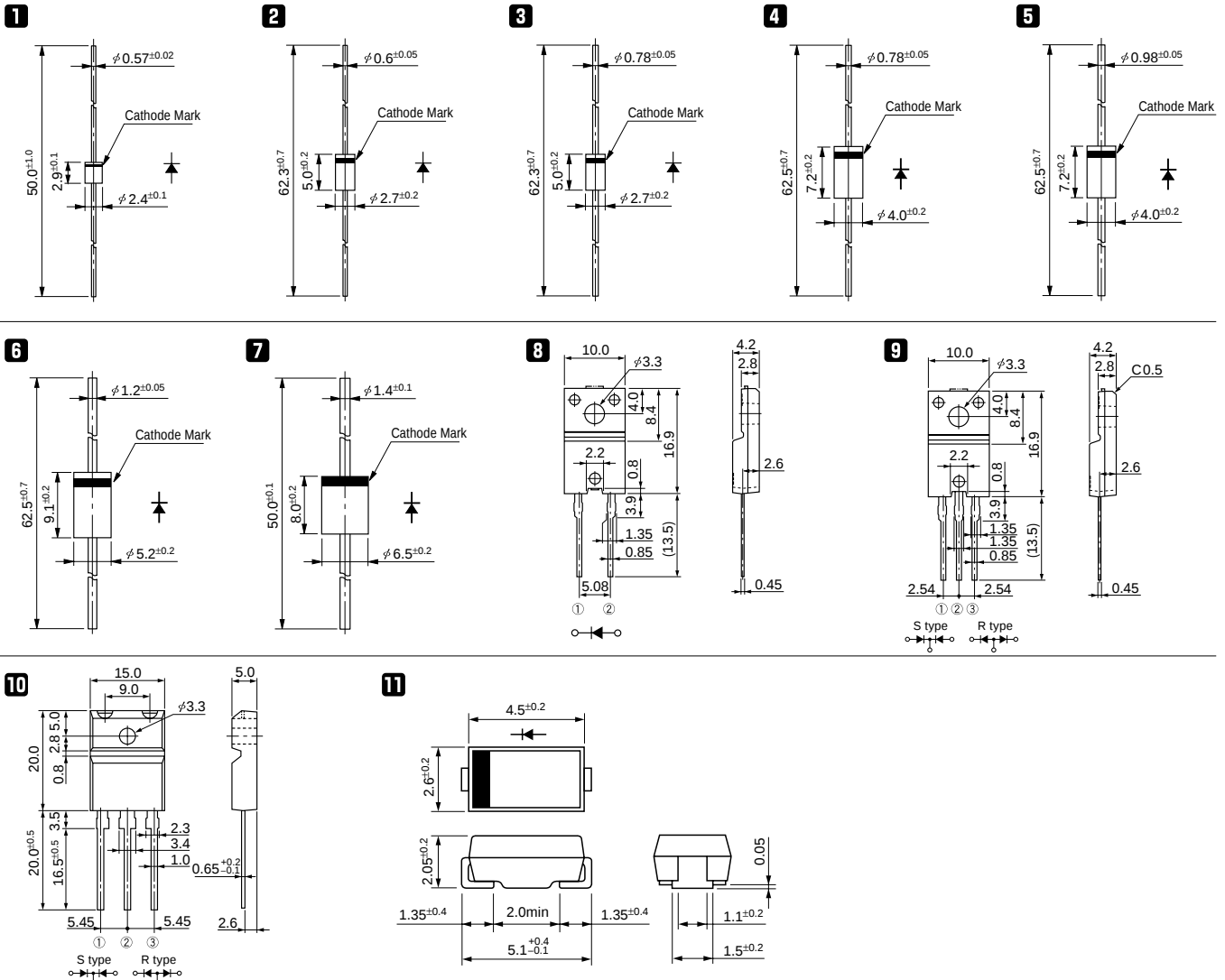
$t_{rr} \text{ ①: } I_F/I_R (=I_F) \text{ 90\% Recovery Point}$
 (ex. $I_F/I_R = 100\text{mA}/100\text{mA}$ 90% Recovery Point)
 $t_{rr} \text{ ②: } I_F/I_R (=2 I_F) \text{ 75\% Recovery Point}$
 (ex. $I_F/I_R = 100\text{mA}/200\text{mA}$ 75% Recovery Point)

V_{RM} (V)	Package	Part Number	I_F (AV) (A)	I_{FSM} (A) 50Hz Half-cycle Sine-wave Single Shot	T_j (°C)	T_{stg} (°C)	V_F (V) max	I_F (A)	I_R (μ A) $V_R = V_{RM}$ max	I_R (H) (mA) $V_R = V_{RM}$ max	T_a (°C)	$t_{rr} \text{ ①}$ (ns)	I_F/I_{FP} (mA)	$t_{rr} \text{ ②}$ (ns)	I_F/I_{FP} (mA)	$R_{th} (j-l)$ $R_{th} (j-c)$ (°C/W)	Mass (g)	Fig. No.	Page where characteristic curve is shown
400	Surface Mount Center-tap	SFPL-64	1.0	25	-40 to +150	1.3	1.0	10	0.05	150	50	100/100	30	100/200	20	0.07	11	81	Axial
		AG01	0.7	15	-40 to +150	1.8	0.7	100	0.5	100	100	100/100	50	100/200	22	0.13	1	64	
		EG01	0.7	15	-40 to +150	2.0	0.7	50	0.3	100	100	100/100	50	100/200	20	0.2	2	65	
		EG 1	0.8	15	-40 to +150	1.8	0.8	50	0.3	100	100	100/100	50	100/200	17	0.3	3	65	
		AL01★	1.0	20	-40 to +150	1.4	1.0	10	0.5	150 (Tj)	50	100/100	35	100/200	22	0.13	1	79	
		RG 10	1.2	50	-40 to +150	1.8	1.5	500	2.5	100	100	100/100	50	100/200	15	0.4	4	66	
		RG 2	1.2	50	-40 to +150	1.8	1.5	500	2.5	100	100	100/100	50	100/200	12	0.6	5	68	
		EL 1	1.5	40	-40 to +150	1.3	1.5	10	0.05	100	100	100/100	50	100/200	17	0.3	3	66	
		RL 2	2.0	40	-40 to +150	1.3	2.0	10	0.1	150 (Tj)	50	100/100	35	100/200	12	0.6	5	68	
		RL 31★	3.0	70	-40 to +150	1.3	3.0	50	0.1	150 (Tj)	50	100/100	35	100/200	10	1.0	6	79	
		RL 3	3.5	80	-40 to +150	1.3	3.5	100	0.2	150 (Tj)	50	100/100	35	100/200	10	1.0	6	69	
		RG 4	1.0 (3.0)	80	-40 to +150	1.8	3.0	500	2.5	100	100	100/100	50	100/200	8	1.2	7	70	
	Frame-2Pin	FML-G14S	5.0	70	-40 to +150	1.3	5.0	100	0.2	100	50	100/100	35	100/200	4.0	2.1	8	72	Center-tap
		FMN-G14S	5.0	70	-40 to +150	1.0	5.0	50	10	150 (Tj)	100	100/100	50	100/200	4.0	2.1		—	
		FMX-G14S★	5.0	70	-40 to +150	1.3	5.0	50	15	150	30	100/100	25	100/200	4.0	2.1		—	
		FMG-14S, R	5.0	35	-40 to +150	2.0	2.5	500	1.5	100	100	100/100	50	100/200	4.0	2.1	9	75	
		FML-14S	5.0	40	-40 to +150	1.3	2.5	50	0.1	100	50	100/100	35	100/200	4.0	2.1		76	
		FMG-24S, R	8.0	65	-40 to +150	2.0	5.0	500	2.5	100	100	100/100	50	100/200	4.0	2.1		75	
		FML-24S	10.0	70	-40 to +150	1.3	5.0	100	0.2	100	50	100/100	35	100/200	4.0	2.1		76	
		FMG-34S, R	16.0	100	-40 to +150	2.0	10.0	1000	5	100	100	100/100	50	100/200	2.0	5.5	10	77	
		FML-34S	20.0	100	-40 to +150	1.3	10.0	200	0.4	100	50	500/500	35	500/1000	2.0	5.5		78	

★ : Under development

External Dimensions

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



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