

Ultra-Fast-Recovery Rectifier Diodes

400V

$t_{rr}①$: $I_F/I_R (=I_F)$ 90% Recovery Point
(ex. $I_F/I_R = 100\text{mA}/100\text{mA}$ 90% Recovery Point)
 $t_{rr}②$: $I_F/I_R (=2 I_F)$ 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 Sinewave 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)	$t_{rr}①$ (ns)	I_F/I_{FP} (mA)	$t_{rr}②$ (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	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	63
		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	
		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	64
		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	65
		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	67
		EL 1	1.5	20	-40 to +150		1.3	1.5	10	0.05	100	100	100/100	50	100/200	17	0.3	3	65
		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	67
		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	68
		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	69
	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	71
		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		
	Center-tap	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	74
		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		75
		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		74
		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		75
		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	76
		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		77

External Dimensions

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

