

FAST RECOVERY DIODES

Single Package

Ratings and characteristics

Type	Maximum rating			Thermal rating T _j and T _{stg} °C	Characteristics (T _a =25°C)				Mass Grams	Dimensions Fig. No.
	V _{RRM} Volts	I _o *1 Amps.	I _{FSM} *2 Amps.		V _{FM} Max. Volts	I _{RRM} *3 Max. μA	t _{rr} μs	(I _F =I _R =0.1A)		
SC201-2	200	0.5 (T _a =40°C)	10	-40 to +140	1.5 (I _F =0.5A)	10	0.4 (I _F =I _R =0.1A)	0.06	Fig. 1	
SC201-4	400									
SC201-6	600									
SC311-4	400	0.5 (T _a =25°C)	10	-40 to +150	2.5 (I _F =0.5A)	50	0.05 (I _F =0.1A, I _R =0.2A)	0.06	Fig. 1	
SC311-6	600									
SC211-2	200	0.8 (T _a =25°C)	30	-40 to +140	1.05 (I _F =0.8A)	10	0.4 (I _F =I _R =0.1A)	0.06	Fig. 1	
SC211-4	400									
SC321-2	200	1.0 (T _a =25°C)	40	-40 to +150	1.05 (I _F =1.0A)	50	0.1 (I _F =I _R =0.1A)	0.06	Fig. 1	
SC902-2	200	1.0 (T _a =25°C)	25							1.05 (I _F =1.0A)
ERC30-01	100	1.5 (T _a =40°C)	60	-40 to +150	0.92 (I _F =1.5A)	10	0.1 (I _F =I _R =0.1A)	0.5	Fig. 2	
ERC30-02	200	1.5 (T _a =40°C)	60							0.92 (I _F =1.5A)
ERB93-02	200	1.5 (T _a =40°C)	25	-40 to +150	0.95 (I _F =1.5A)	100	0.035 (I _F =0.1A, I _R =0.2A)	0.4	Fig. 2	
ERD38-04	400	1.5 (T _a =25°C)	80							2.5 (I _F =1.5A)
ERD38-05	500									
ERD38-06	600									
ERD28-04	400	1.5 (T _a =25°C)	70	-40 to +125	1.1 (I _F =1.5A)	10	0.4 (I _F =I _R =0.1A)	1.2	Fig. 3	
ERD28-06	600									
ERC06-13	1300	1.5 (T _a =40°C)	50	-40 to +150	1.5 (I _F =4.0A)	10	4.0 (I _F =I _R =0.1A)	1.2	Fig. 3	
ERC06-15	1500									
ERD07-13	1300	1.5 (T _I =125°C)	50	-40 to +150	1.2 (I _F =4.0A)	10	1.5 (I _F =I _R =0.1A)	1.2	Fig. 3	
ERD07-15	1500									
ERC35-02	200	2.5 (T _a =25°C)	50	-40 to +150	1.2 (I _F =2.5A)	20	0.1 (I _F =I _R =0.1A)	1.2	Fig. 3	
ERD29-02	200	2.5 (T _a =25°C)	70							1.1 (I _F =2.5A)
ERD29-04	400									
ERD29-06	600									
ERD32-01	100	3.0 (T _a =25°C)	150	-40 to +150	0.92 (I _F =3.0A)	10	0.1 (I _F =I _R =0.1A)	1.2	Fig. 3	
ERD32-02	200	3.0 (T _a =25°C)	150							0.92 (I _F =3.0A)
ERC91-02	200	3.0 (T _a =25°C)	50	-40 to +150	0.95 (I _F =3.0A)	100	0.035 (I _F =0.1A, I _R =0.2A)	1.2	Fig. 3	
ERD09-13	1300	3.0 (T _I =100°C)	50							1.5 (I _F =4.0A)
ERD09-15	1500									
ERE41-15	1500	3.0 (T _I =120°C)	50	-40 to +150	1.6 (I _F =4.0A)	10	2.2 (I _F =I _R =0.1A)	2.2	Fig. 4	

Notes: () indicates conditions

Other conditions

*1 Single phase, sine half wave *2 1/2 cycle, 50Hz *3 V_R = V_{RRM}

Dimensions $\frac{\text{mm}}{\text{(inch)}}$
Fig. 1 SC

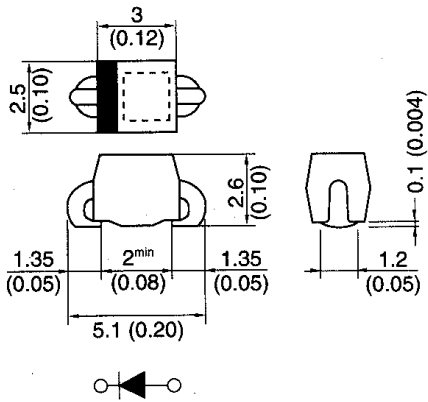


Fig. 2

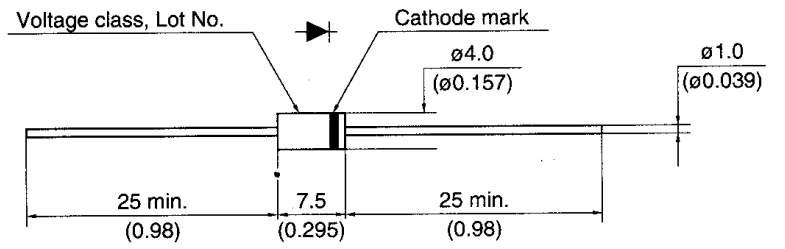


Fig. 3

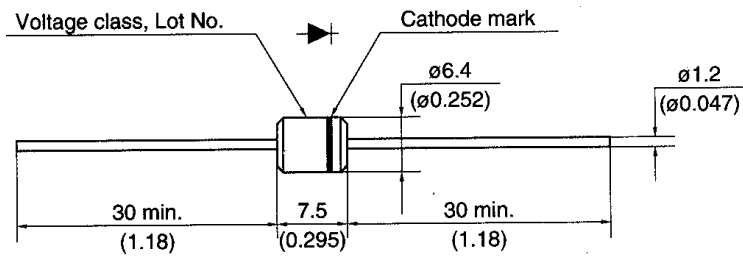


Fig. 4

