

Low-Loss Fast Recovery Diodes (LLD)

1 in one-package

Device type	SMD	Maximum rating		IFSM ^{*2} Amps.	Thermal rating Tj and Tstg °C	Characteristics(Ta=25°C)			Rth(j-c) °C/W	Package	Net mass Grams
		VRRM Volts	IF(AV) ^{*1} Amps.			VFM Max. Volts	IRRM ^{*3} Max.µA	trr µsec.			
ERA91-02		200	0.5(Ta=60°C)	10	-40 to +150	0.95(If=0.5A)	50	0.035 ^{*4}		Lead-1	0.18
ERB91-02		200	1.0(Ta=50°C)	20	-40 to +150	0.95(If=1.0A)	50	0.035 ^{*4}		Lead-3	0.3
CB903-4		400	1.0(Tl=129°C)	25	-40 to +150	1.5 (If=1.0A)	500	0.05 ^{*4}		Lead-3	0.3
ERA92-02		200	1.0(Ta=25°C)	25	-40 to +150	1.05(If=1.0A)	50	0.035 ^{*4}		Lead-1	0.18
SC902-2	SMD	200	1.0(Ta=25°C)	25	-40 to +150	1.05(If=1.0A)	50	0.035 ^{*4}		SC	0.06
ERB93-02		200	1.5(Ta=40°C)	25	-40 to +150	0.95(If=1.5A)	100	0.035 ^{*4}		Lead-6	0.4
CB903-4S		400	2 (Tl=97°C)	25	-40 to +150	1.5 (If=2A)	500	0.05 ^{*4}		Lead-3	0.3
CB903-6		600	2 (Tl=110°C)	20	-40 to +150	1.7 (If=2A)	500	0.05 ^{*4}		Lead-3	0.3
ERC91-02		200	3.0(Ta=25°C)	50	-40 to +150	0.95(If=3.0A)	100	0.035 ^{*4}		Lead-7	1.2
KS926S2	SMD	200	5 (Tc=106°C)	70	-40 to +150	0.95(If=5A)	100	0.035 ^{*4}	10.0	K-pack(S)	0.6
ERC90-02		200	5 (Tc=125°C)	50	-40 to +150	0.95(If=5A)	100	0.035 ^{*4}	3.0	TO-220AB	2.0
YG911S2R		200	5 (Tc=134°C)	50	-40 to +150	0.95(If=5A)	100	0.035 ^{*4}	3.5	TO-220F15	2.3
YG911S3R		300	5 (Tc=128°C)	40	-40 to +150	1.2 (If=5A)	100	0.035 ^{*4}	3.5	TO-220F15	2.3
YG912S2R		200	10 (Tc=116°C)	80	-40 to +150	0.98(If=10A)	200	0.035 ^{*5}	3.5	TO-220F15	2.3
YG912S6		600	10 (Tc=92°C)	80	-40 to +150	1.7 (If=10A)	500	0.05 ^{*4}	3.5	TO-220F15	2.3
TS912S6	SMD	600	10 (Tc=105°C)	80	-40 to +150	1.7 (If=10A)	500	0.05 ^{*4}	2.5	T-pack(S)	1.6

() Conditions

^{*1} 50Hz Square wave duty 1/2

^{*2} Sine wave, 10ms

^{*3} VR=VRRM

^{*4} If=0.1A, IR=0.2A, Irec.=0.05A

^{*5} If=IR=0.1A, Irec.=0.05A

Low-Loss Fast Recovery Diodes (LLD)

2 in one-package

Device type	SMD	Maximum rating V _{RRM} Volts	I _O * ¹ Amps.	I _{FSM} * ² Amps.	Thermal rating T _j and T _{stg} °C	Characteristics(Ta=25°C)				R _{th(j-c)} °C/W	Package	Net mass Grams
KS923C2	SMD	200	5 (Tc=103°C)	50	-40 to +150	0.95(I _F =2.5A)	100	0.035 * ⁴	10.0		K-pack(S)	0.6
KP923C2		200	5 (Tc=103°C)	50	-40 to +150	0.95(I _F =2.5A)	100	0.035 * ⁴	10.0		K-pack(P)	0.6
TP901C2		200	5 (Tc=120°C)	25	-40 to +125	0.95(I _F =2.5A)	100	0.035 * ⁴	5.0		T-pack(P)	1.6
TP901C3		300	5 (Tc=105°C)	25	-40 to +125	1.2 (I _F =2.5A)	100	0.035 * ⁴	5.0		T-pack(P)	1.6
ESAB92-02		200	5 (Tc=120°C)	25	-40 to +150	0.95(I _F =2.5A)	100	0.035 * ⁴	5.0		TO-220AB	2.0
YG901C2R		200	5 (Tc=120°C)	25	-40 to +150	0.95(I _F =2.5A)	100	0.035 * ⁴	5.0		TO-220F15	2.3
YG901C3R		300	5 (Tc=105°C)	25	-40 to +150	1.2 (I _F =2.5A)	100	0.035 * ⁴	5.0		TO-220F15	2.3
TS902C2	SMD	200	10 (Tc=125°C)	50	-40 to +150	0.95(I _F =5A)	100	0.035 * ⁴	2.5		T-pack(S)	1.6
TS902C3	SMD	300	10 (Tc=125°C)	40	-40 to +150	1.2 (I _F =5A)	100	0.035 * ⁴	2.5		T-pack(S)	1.6
TP902C2		200	10 (Tc=125°C)	50	-40 to +150	0.95(I _F =5A)	100	0.035 * ⁴	2.5		T-pack(P)	1.6
TP902C3		300	10 (Tc=125°C)	40	-40 to +150	1.2 (I _F =5A)	100	0.035 * ⁴	2.5		T-pack(P)	1.6
ESAC92-02		200	10 (Tc=125°C)	50	-40 to +150	0.95(I _F =5A)	100	0.035 * ⁴	2.5		TO-220AB	2.0
YG902C2R		200	10 (Tc=115°C)	50	-40 to +150	0.95(I _F =5A)	100	0.035 * ⁴	3.5		TO-220F15	2.3
YG902C3R		300	10 (Tc=101°C)	40	-40 to +150	1.2 (I _F =5A)	100	0.035 * ⁴	3.5		TO-220F15	2.3
ESAC93-02		200	12 (Tc=115°C)	60	-40 to +150	0.95(I _F =6A)	100	0.035 * ⁴	2.2		TO-3P	5.5
ESAC93M-02		200	12 (Tc=116°C)	60	-40 to +150	0.95(I _F =6A)	100	0.035 * ⁴	2.7		TO-3PF	6.0
ESAC93M-03		300	12 (Tc=104°C)	50	-40 to +150	1.2 (I _F =6A)	100	0.035 * ⁴	2.7		TO-3PF	6.0
TS906C2	SMD	200	20 (Tc=112°C)	80	-40 to +150	0.98(I _F =10A)	200	0.035 * ⁴	2.0		T-pack(S)	1.6
YG906C2R		200	20 (Tc=102°C)	80	-40 to +150	0.98(I _F =10A)	200	0.035 * ⁴	2.5		TO-220F15	2.3
ESAD92-02		200	20 (Tc=115°C)	100	-40 to +150	0.95(I _F =10A)	200	0.04 * ⁴	1.5		TO-3P	5.5
ESAD92-03		300	20 (Tc=110°C)	80	-40 to +150	1.2 (I _F =10A)	200	0.04 * ⁴	1.5		TO-3P	5.5
ESAD92M-02		200	20 (Tc=108°C)	100	-40 to +150	0.95(I _F =10A)	200	0.04 * ⁴	2.0		TO-3PF	6.0
ESAD92M-03		300	20 (Tc=96°C)	80	-40 to +150	1.2 (I _F =10A)	200	0.04 * ⁴	2.0		TO-3PF	6.0
ESAD95-04		400	20 (Tc=105°C)	80	-40 to +150	1.5 (I _F =10A)	200	0.06 * ⁴	1.5		TO-3P	5.5
PA905C4		400	20 (Tc=92°C)	80	-40 to +150	1.5 (I _F =10A)	500	0.05 * ⁴	1.5		TO-3P	5.5
PA905C6		600	20 (Tc=100°C)	80	-40 to +150	1.7 (I _F =10A)	500	0.05 * ⁴	1.2		TO-3P	5.5
PG905C4		400	20 (Tc=93°C)	80	-40 to +150	1.5 (I _F =10A)	500	0.05 * ⁴	2.0		TO-3PF	6.0

() Conditions

*¹ 50Hz Square wave duty 1/2

(Average forward current of centertap full wave connection)

*² Sine wave, 10ms

*³ V_R=V_{RRM}

*⁴ I_F=0.1A, I_R=0.2A, I_{rec}=0.05A