

Low-loss Fast Recovery Diodes(LLD) Dual

Device Type	Features	Page	VRRM	IO	Package
ESAB92-02	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	200V max	5A max	TO-220AB(FE,JEDEC)/SC-46(EIAJ)
ESAC92-02	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	200V max	10A max	TO-220AB(FE,JEDEC)/SC-46(EIAJ)
ESAC93-02	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	200V max	12A max	TO-3P(FE)/SC-65(EIAJ)
ESAC93M-02R	LOW LOSS SUPER HIGH SPEED RECTIFIER(200V/12A)	3	200V max	12A max	TO-3PF
ESAC93M-03R	LOW LOSS SUPER HIGH SPEED RECTIFIER(300V/12A)	3	300V max	12A max	TO-3PF
ESAD92-02	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	200V max	20A max	TO-3P(FE)/SC-65(EIAJ)
ESAD92-03	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	300V max	20A max	TO-3P(FE)/SC-65(EIAJ)
ESAD92M-02R	LOW LOSS SUPER HIGH SPEED RECTIFIER(200V/20A)	3	200V max	20A max	TO-3PF
ESAD92M-03R	LOW LOSS SUPER HIGH SPEED RECTIFIER(300V/20A)	3	300V max	20A max	TO-3PF
KP923C2	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	200V max	5A max	K-pack(P)
KS923C2	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	200V max	5A max	K-pack(S)
MS906C2	LOW LOSS SUPER HIGH SPEED RECTIFIER(200V/20A)	3	200V max	20A max	TFP
MS906C3	Low loss fast recovery diode (300V/20A)	3	300V max	20A max	
PA905C4	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	400V max	20A max	TO-3P(FE)/SC-65(EIAJ)
PA905C6	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	600V max	20A max	TO-3P(FE)/SC-65(EIAJ)
PG905C4	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	400V max	20A max	TO-3PF
TP901C2	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	200V max	5A max	T-pack(P)

TP901C3	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	300V max	5A max	T-pack(P)
TP902C2	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	200V max	10A max	T-pack(P)
TP902C3	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	300V max	10A max	T-pack(P)
TS902C2	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	200V max	10A max	T-pack(S)
TS902C3	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	300V max	10A max	T-pack(S)
TS906C2	LOW LOSS SUPER HIGH SPEED RECTIFIER	3	200V max	20A max	T-pack(S)
YG901C2R	LOW LOSS SUPER HIGH SPEED DIODE	3	200V max	5A max	TO-220F15(FE)/SC-67 (EIAJ)
YG901C3R	LOW LOSS SUPER HIGH SPEED DIODE	3	300V max	5A max	TO-220F15(FE)/SC-67 (EIAJ)
YG902C2R	LOW LOSS SUPER HIGH SPEED DIODE	3	200V max	10A max	TO-220F15(FE)/SC-67 (EIAJ)
YG902C3R	LOW LOSS SUPER HIGH SPEED DIODE	3	300V max	10A max	TO-220F15(FE)/SC-67 (EIAJ)
YG906C2R	LOW LOSS SUPER HIGH SPEED DIODE	3	200V max	20A max	TO-220F15(FE)/SC-67 (EIAJ)

YG902C2R

(200V / 10A TO-220F15)

LOW LOSS SUPER HIGH SPEED DIODE

Features

- Low V_F
- Super high speed switching.
- High reliability by planer design.

Applications

High speed power switching

Maximum Ratings and Characteristics

- Absolute Maximum Ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive Peak Reverse Voltage	V_{RRM}		200	V
Repetitive Peak Surge Reverse Voltage	V_{RSM}		200	V
Isolating Voltage	V_{iso}	Terminals to Case, AC, 1min.	1500	V
Average Output Current	I_o	duty=1/2, $T_c=115^\circ\text{C}$ Square wave	10*	A
Surge Current	I_{FSM}	Sine wave 10ms	50	A
Operating Junction Temperature	T_j		-40 to +150	$^\circ\text{C}$
Storage Temperature	T_{stg}		-40 to +150	$^\circ\text{C}$

* Out put current of centertap full wave connection.

- Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

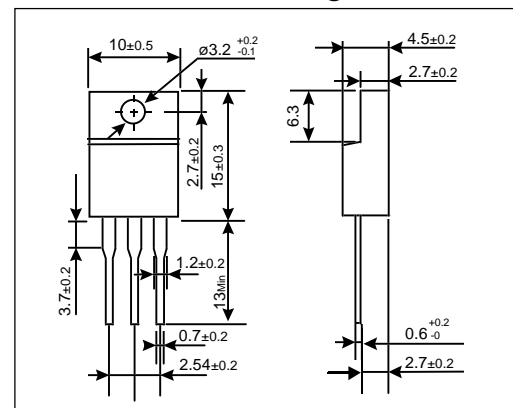
Item	Symbol	Conditions	Max.	Unit
Forward Voltage Drop **	V_F	$I_F=5\text{A}$	0.95	V
Reverse Current **	I_R	$V_R=V_{RRM}$	100	μA
Reverse recovery time	t_{rr}	$I_F=0.1\text{A}, I_R=0.2\text{A}, I_{rec}=0.05\text{A}$	35	ns
Thermal Resistance	$R_{th(j-c)}$	Junction to case	3.5	$^\circ\text{C/W}$

** Rating per element

- Mechanical Characteristics

Mounting torque	Recommended torque	0.3 to 0.5	N · m
Weight		2.3	g

Outline Drawings



JEDEC

•EIAJ

SC-67

Connection Diagram

