



**SURGE**

Components, Inc.

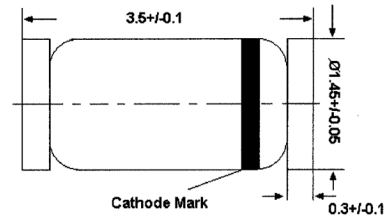
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**SL914...SL4454**

**Silicon Epitaxial Planar Diodes**

for general purpose and switching.



**Glass case MINIMELF**

**Weight approx. 0.05g  
Dimensions in mm**

Type	Peak reverse voltage	Max. aver. rectified current	Max. power dissip. at 25°C	Max. junction temperature	Max. forward voltage drop		Max. reverse current		Max. reverse recovery time	
	V <sub>RM</sub> V	I <sub>O</sub> (mA 1)	P <sub>tot</sub> (mW 1)	T <sub>J</sub> °C	V <sub>F</sub> V	at I <sub>F</sub> mA	I <sub>n</sub> nA	at V <sub>R</sub> V	t <sub>rr</sub> ns	Conditions
SL914	100	75	500	200	1	10	25	20	Max.4	I <sub>F</sub> =10mA, V <sub>R</sub> =6V, R <sub>L</sub> =100Ω, to I <sub>R</sub> =1mA
SL4149	100	150	500	200	1	10	25	20	Max.4	I <sub>F</sub> =10mA, V <sub>R</sub> =6V, R <sub>L</sub> =100Ω, to I <sub>R</sub> =1mA
SL4150	50	200	500	200	1.2	200	100	50	Max.0	I <sub>F</sub> =I <sub>R</sub> =10 to 200mA, to 0.1 I <sub>F</sub>
SL4151	75	150	500	175	1	50	50	50	Max.2	I <sub>F</sub> =10mA, V <sub>R</sub> =6V, R <sub>L</sub> =100Ω, to I <sub>R</sub> =1mA
SL4152	40	150	500	175	0.55	0.1	50	30	Max.2	I <sub>F</sub> =10mA, V <sub>R</sub> =6V, R <sub>L</sub> =100Ω, to I <sub>R</sub> =1mA
SL4153	75	150	500	175	0.55	0.1	50	50	Max.2	I <sub>F</sub> =10mA, V <sub>R</sub> =6V, R <sub>L</sub> =100Ω, to I <sub>R</sub> =1mA
SL4154	35	150	500	200	1	30	100	25	Max.2	I <sub>F</sub> =10mA, V <sub>R</sub> =6V, R <sub>L</sub> =100Ω, to I <sub>R</sub> =1mA
SL4447	100	150	500	200	1	20	25	20	Max.4	I <sub>F</sub> =10mA, V <sub>R</sub> =6V, R <sub>L</sub> =100Ω, to I <sub>R</sub> =1mA
SL4449	100	150	500	200	1	30	25	20	Max.4	I <sub>F</sub> =10mA, V <sub>R</sub> =6V, R <sub>L</sub> =100Ω, to I <sub>R</sub> =1mA
SL4450	40	150	500	175	0.54	0.5	50	30	Max.4	I <sub>F</sub> = I <sub>R</sub> =10mA, to I <sub>R</sub> =1mA
SL4451	40	150	500	175	0.5	0.1	50	30	Max.10	I <sub>F</sub> = I <sub>R</sub> =10mA, to I <sub>R</sub> =1mA
SL4453	30	150	500	175	0.55	0.01	50	20	-	-
SL4454	75	150	500	175	1	10	100	50	Max.4	I <sub>F</sub> = I <sub>R</sub> =10mA, to I <sub>R</sub> =1mA

1). Valid provided that electrodes are kept at ambient temperature.