

# PSpice Model

## Light Emitting Diode

### EVERLIGHT

### MV8112



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_MV8112\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_MV8112\_PS01.lib  
 Model Report MDC\_MV8112\_PS.pdf (this file)

**Verified Simulator Version** PSpice version 16.6  
**Note**

### References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 2/17/00
- Product name MV8112
- Company name EVERLIGHT ELECTRONICS CO., LTD.
- Characteristics IfVf[Temp]

### Simulation Range

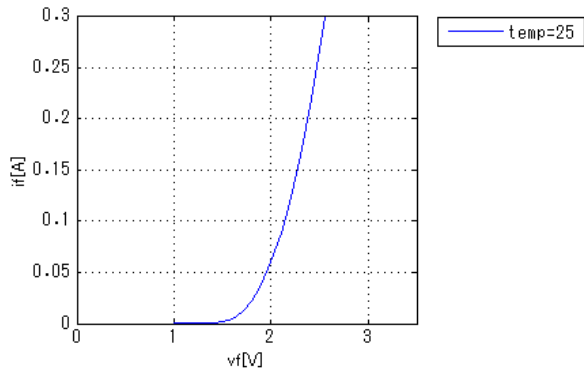
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	30	V
Reverse Voltage	0	to	10	V
Temperature	-40	to	100	deg C

Simulation results are following.

Explanatory notes — : simulated

### IfVf[Temp]



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