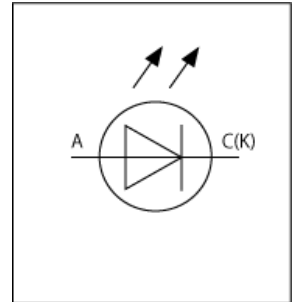


# PSpice Model

## Light Emitting Diode

### STANLEY

### UG3804X



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_UG3804X\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_UG3804X\_PS01.lib  
 Model Report MDC\_UG3804X\_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 2006.7.31
- Product name UG3804X
- Company name STANLEY ELECTRIC CO., LTD.
- Characteristics IfVf[Temp]

### Simulation Range

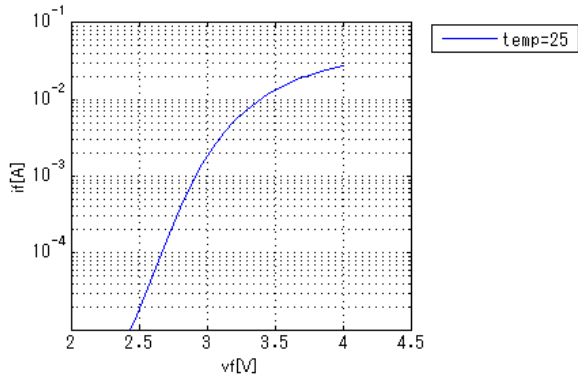
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	40	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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