

# PSpice Model

## Light Emitting Diode

### STANLEY

### VFR1112H



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_VFR1112H\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_VFR1112H\_PS01.lib  
 Model Report MDC\_VFR1112H\_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 2010.12.28
- Product name VFR1112H
- Company name STANLEY ELECTRIC CO., LTD.
- Characteristics IfVf[Temp]

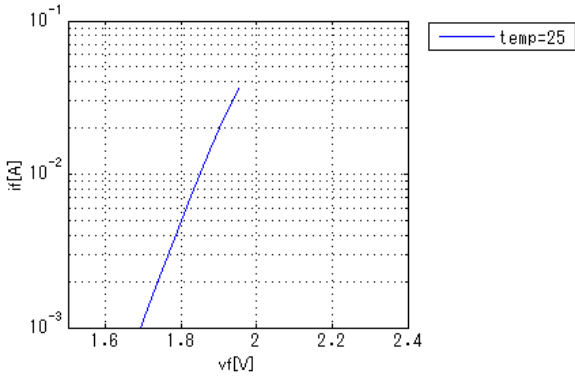
### Simulation Range

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	19.5	V
Reverse Voltage	0	to	10	V
Temperature	-40	to	120	deg C

Simulation results are following.  
Explanatory notes — : simulated

IfVf[Temp]



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