

PSpice Model

Light Emitting Diode

ROHM

SIM-012SB



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_SIM-012SB_PS
Pin Assign 1:A 2:C
File List Model Library MDC_SIM-012SB_PS01.lib
 Model Report MDC_SIM-012SB_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 Rev.B
- Product name SIM-012SB
- Company name ROHM Co., Ltd.
- Characteristics IfVf[Temp]

Simulation Range

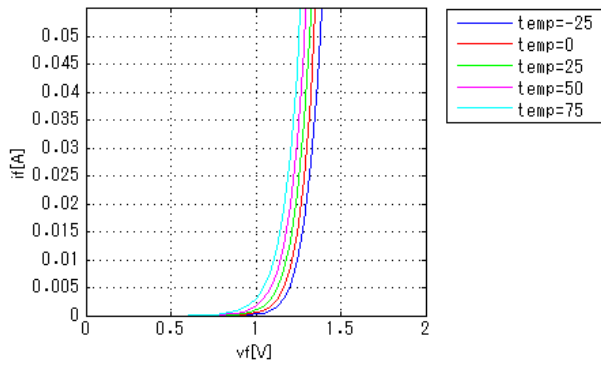
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	14	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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