

PSpice Model

Switching Diode

TOSHIBA

1S1588



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_1S1588_PS
Pin Assign 1:A 2:C
File List Model Library MDC_1S1588_PS01.lib
 Model Report MDC_1S1588_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 None
- Product name 1S1588
- Company name Toshiba Corporation
- Characteristics IfVf[Temp],IrrVr[Temp]

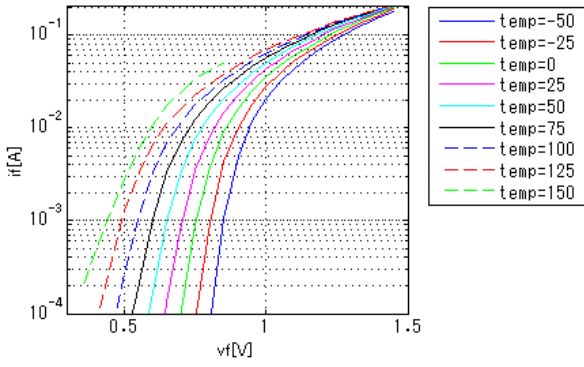
Simulation Range

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

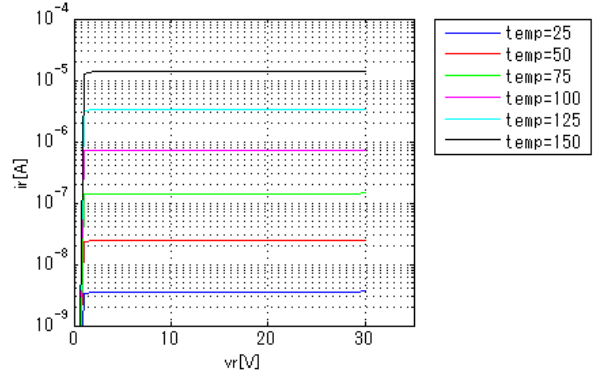
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	14.5	V
Reverse Voltage	0	to	60	V
Temperature	-65	to	175	deg C

Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]



IrVr[Temp]



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