

LTspice Model

Zener Diode

Nexperia

BZV49-C6V2-115

Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_BZV49-C6V2-115_LT
Pin Assign 1:A 2:C 3:A
File List Model Library MDC_BZV49-C6V2-115_LT01.lib
 Model Report MDC_BZV49-C6V2-115_LT.pdf (this file)
Verified Simulator Version LTspice version XVII
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 7 February 2017
- Product name BZV49-C6V2-115
- Company name Nexperia B.V.
- Characteristics IfVf[Temp],IrrVr[Temp],Surge Waveform

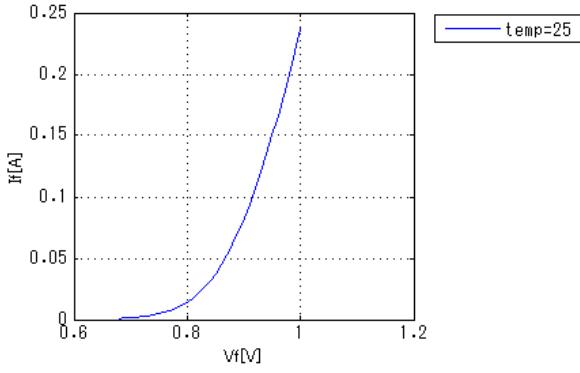
Simulation Range

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

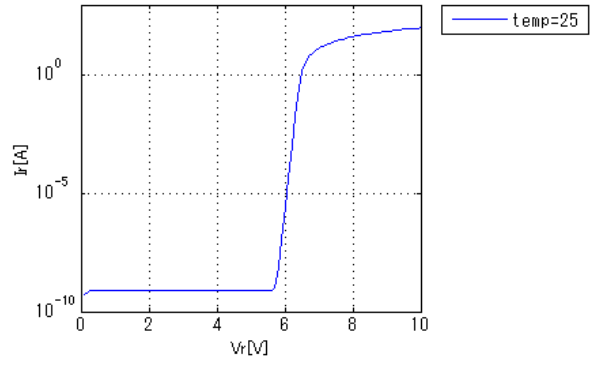
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	10	V
Reverse Voltage	0	to	12	V
Temperature	-65	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

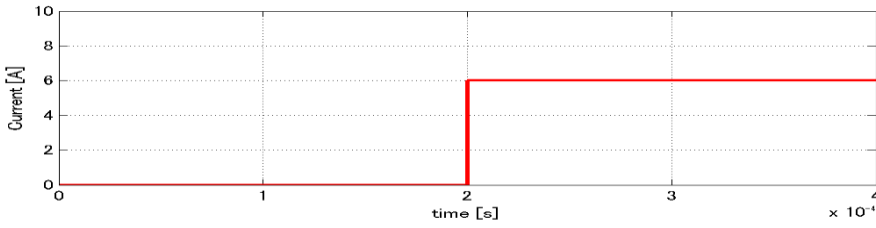
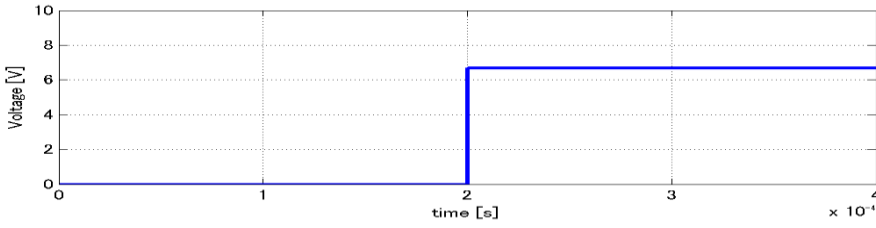
IfVf[Temp]



IrVr[Temp]



Surge Waveform



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