

LTspice Model

Zener Diode

Nexperia

BZV49-C3V9-115

Model Information

Model	A macro model based on general SPICE diode model		
Call Name	MDC_BZV49-C3V9-115_LT		
Pin Assign	1:A 2:C 3:A		
File List	Model Library	MDC_BZV49-C3V9-115_LT01.lib	
	Model Report	MDC_BZV49-C3V9-115_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-C3V9-115
● Company name	Nexperia B.V.
● Characteristics	IfVf[Temp], IrVr[Temp], Surge Waveform

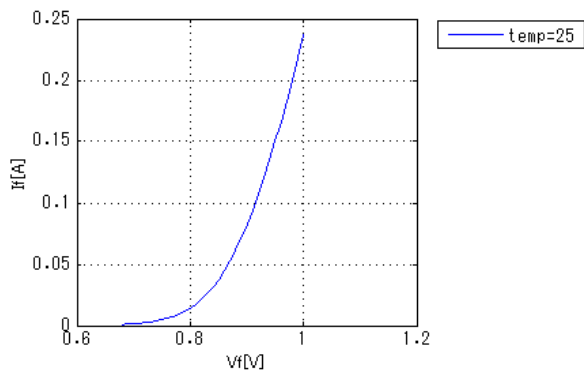
Simulation Range

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

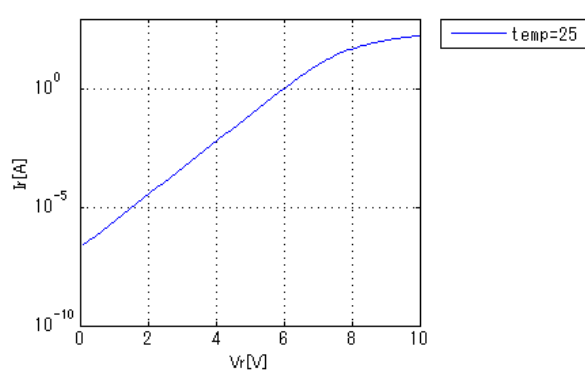
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	10	V
Reverse Voltage	0	to	8	V
Temperature	-65	to	150	deg C

Simulation results are following.
Explanatory notes — : simulated

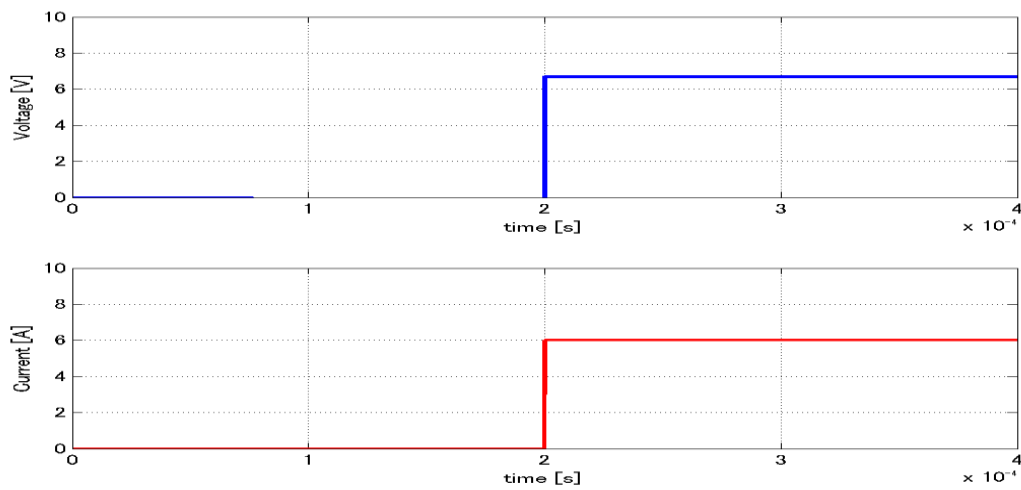
IfVf[Temp]



IrVr[Temp]



Surge Waveform



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