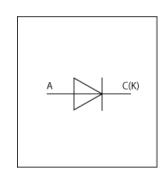


# LTspice Model Switching Diode YT 1N4148WS



## **Model Information**

Model A macro model based on general SPICE diode model

Call Name MDC\_1N4148WS\_LT

Pin Assign 1:A 2:C

File List Model Library MDC\_1N4148WS\_LT01.lib

Model Report MDC\_1N4148WS\_LT.pdf (this file)

**Verified Simulator Version** 

Note

LTspice version XVII

#### References

The information which was used for modeling is as follow:

[Data Sheet]

Date/Version Rev. 2.2, 11-Nov-20

Product name 1N4148WS

●Company name Yangjie Electronic Technology Co., Ltd.

Characteristics IfVf[Temp],IrVr[Temp],CjVr,Trr,TrrWaveform,SurgeWavefor

m

#### Simulation Range

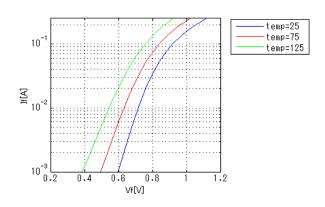
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	12	V
Reverse Voltage	0	to	150	V
Temperature	-55	to	150	deg C

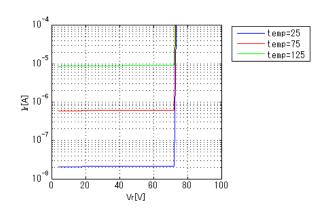


Simulation results are following. Explanatory notes — : simulated

# IfVf[Temp]

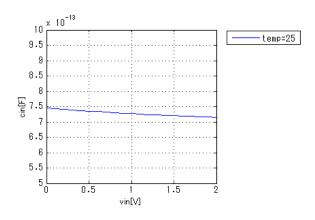


## IrVr[Temp]

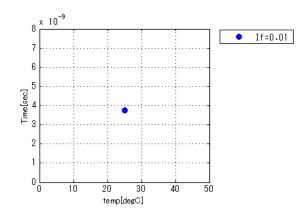


#### CjVr

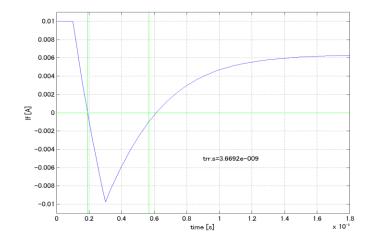
Freq. = 1MHz



## Trr



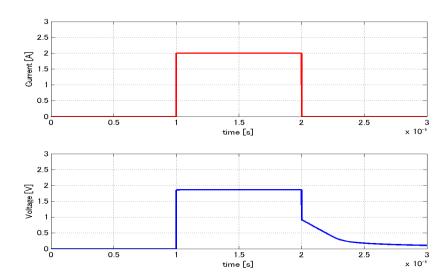
#### **TrrWaveform**





Simulation results are following. Explanatory notes -: simulated

## SurgeWaveform





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