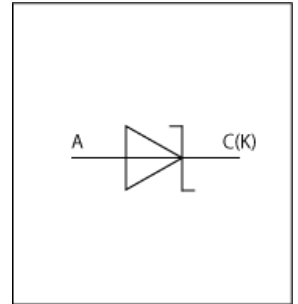


# ADS Model Zener Diode Panasonic DZ2J150



## Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_DZ2J150\_AD  
**Pin Assign** 1:C 2:A  
**File List** Model Library MDC\_DZ2J150\_AD.zip  
 Model Report MDC\_DZ2J150\_AD.pdf (this file)

**Verified Simulator Version** ADS version 2020 update 2  
**Note**

## References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 12.Jul.2013 - Rev.3
- Product name DZ2J150
- Company name Panasonic Corporation
- Characteristics IfVf[Temp],IrVr[Temp],IrVr[Temp]2,CjVr,SurgeWaveform

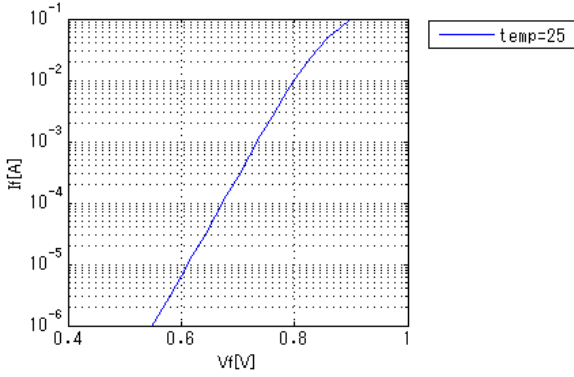
## Simulation Range

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

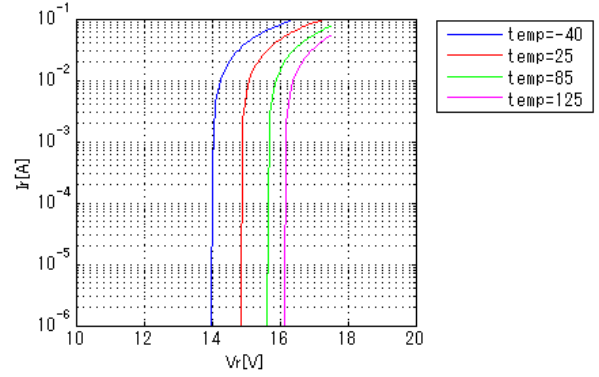
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	15	V
Temperature	-55	to	150	deg C

Simulation results are following.  
 Explanatory notes — : simulated

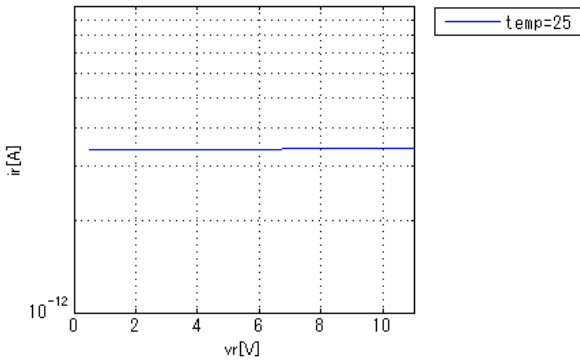
**IfVf[Temp]**



**IrVr[Temp]**

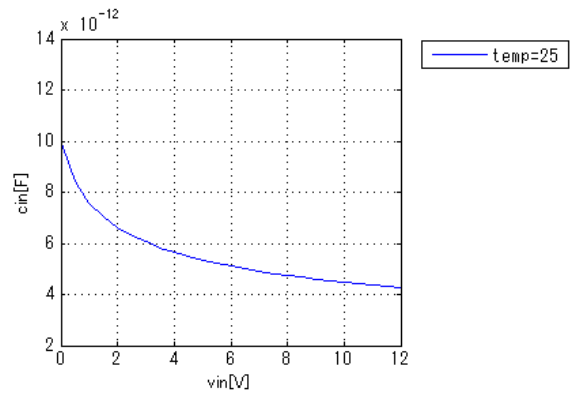


**IrVr[Temp]2**

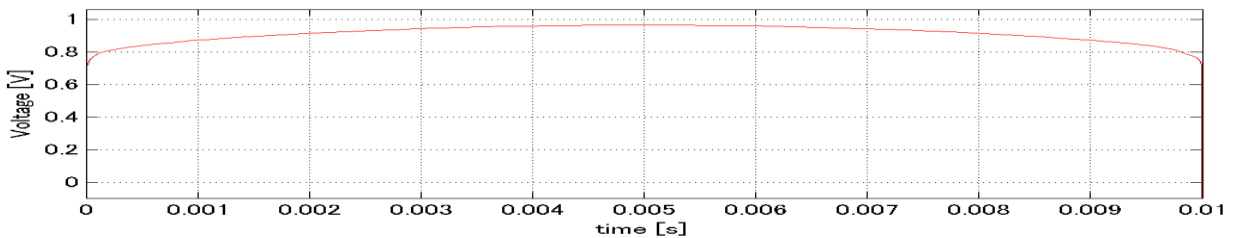
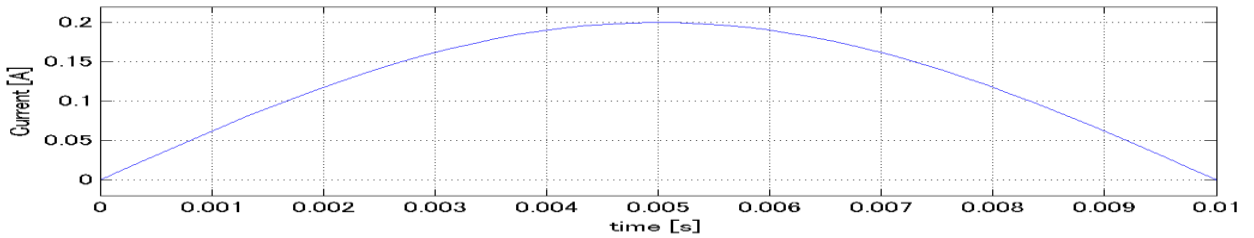


**CjVr**

Freq. = 1MHz



**Surge Waveform (Forward)**



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