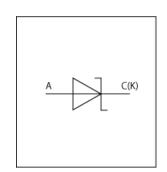


# LTspice Model Zener Diode ROHM PDZVTR13B



#### **Model Information**

Model A macro model based on general SPICE diode model

Call Name MDC\_PDZVTR13B\_LT

Pin Assign 1:C 2:A

File List Model Library MDC\_PDZVTR13B\_LT01.lib

Model Report MDC\_PDZVTR13B\_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 2019/04/19\_Rev.005

Product nameCompany namePDZVTR13BROHM Co., Ltd.

Characteristics
VrIr[Temp],IrVr[Temp],IfVf[Temp],CjVr

#### 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	14	V
Temperature	-55	to	150	deg C



**Model Functions Table** 

## Diode

O: Implemented

×: Not Implemented

—: Not applicable

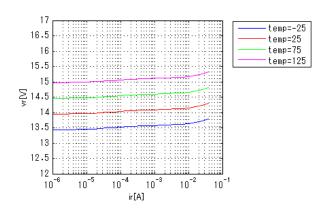
## RANK=1

	10 0000	
Functions	RANK	Implemented
IF-VF(Temp)	1	0
IR-VR(Temp)	1	0
Capacitance	1	0
Reverse recovery characteristics	1	
Zz-Iz	1	
Rectification characteristics(Bridge)	1	_
Surge-Transient	1	_
tlp	1	_

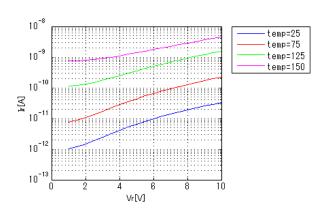


Simulation results are following. Explanatory notes — : simulated

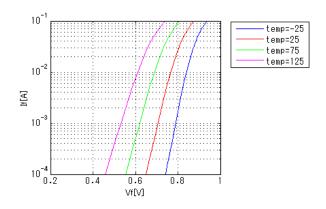
### Vrlr[Temp]



### IrVr[Temp]

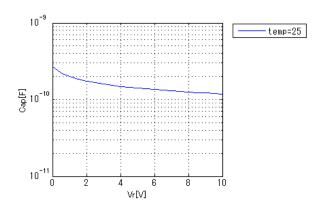


## IfVf[Temp]



#### CjVr

Freq = 1000000Hz





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MoDeCH Inc.

**Head Office** 

Location: 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan

Tel:+81-42-656-3360

E-Mail:model-on-support@modech.co.jp

URL:http://www.modech.com/en/