

MDC_UDZS9_1B_LT

LTspice Model Zener Diode ROHM UDZS9.1B

Model Information

 Model
 A macro model based on general SPICE diode model

 Call Name
 MDC_UDZS9_1B_LT

 Pin Assign
 1:C 2:A

 File List
 Model Library
 MDC_UDZS9_1B_LT01.lib

 Model Report
 MDC_UDZS9_1B_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

The information which was used for modeling is as follow:

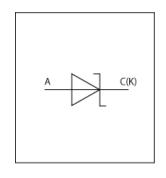
[Data Sheet]

2012.02 - Rev.D
UDZS9.1B
ROHM Co., Ltd.
Vrlr[Temp],IrVr[Temp],CjVr,Zzlz

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.	
Zener Voltage(at 5mA)	9	to	9	V
Temperature	-55	to	150	deg C

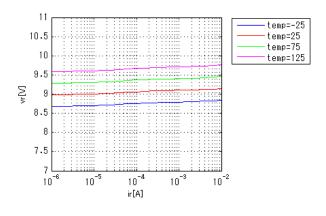




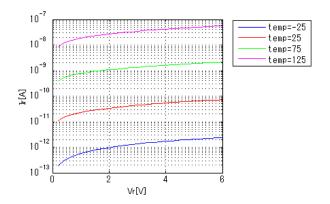
Diode Model Functions Table	RANK=1	O : Implemented \times : Not Implemented — : Not applicable
Functions	RANK	Implemented
IF-VF(Temp)	1	—
IR-VR(Temp)	1	0
Capacitance	1	0
Reverse recovery characteristics	1	—
Zz-Iz	1	0
Rectification characteristics(Bridge)	1	—
Surge voltage-Transient	1	_



Vrlr[Temp]

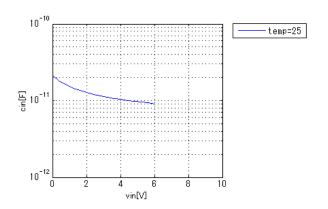


lrVr[Temp]

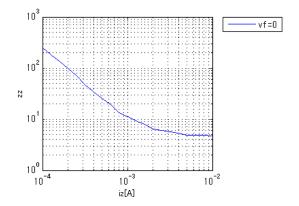


CjVr

Freq = 100000Hz



Zzlz izl = 0.885377, izh = 1.1146236





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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/