

MDC_UDZS27B_LT

LTspice Model Zener Diode ROHM UDZS27B

Model Information

 Model
 A macro model based on general SPICE diode model

 Call Name
 MDC_UDZS27B_LT

 Pin Assign
 1:C 2:A

 File List
 Model Library
 MDC_UDZS27B_LT02.lib

 Model Report
 MDC_UDZS27B_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

The information which was used for modeling is as follow:

[Data Sheet]

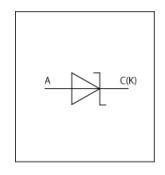
Date/Version	201
Product name	UD
Company name	RO
Characteristics	Vrlı

2012.02 - Rev.D UDZS27B ROHM Co., Ltd. Vrlr[Temp],IrVr[Temp],CjVr,ZzIz

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)	27	to	27	V
Temperature	-55	to	150	degC

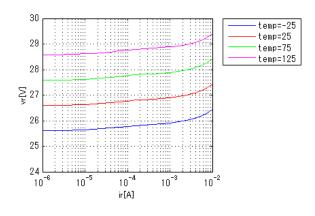




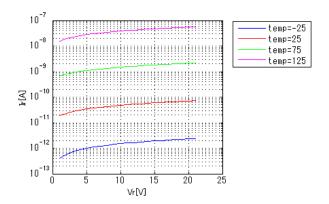
Diode Model Functions Table	RANK=1	O : Implemented × : Not Implemented — : Not applicable
Functions	RANK	Implemented
IF-VF(Temp)	1	-
IR-VR(Temp)	1	0
Capacitance	1	0
Reverse recovery characteristics	1	—
Zz-Iz	1	0
Rectification characteristics(Bridge)	1	—
Surge voltage-Transient	1	_



Vrlr[Temp]



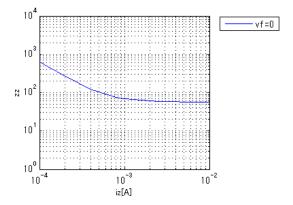
IrVr[Temp]



CjVr Freq = 100000Hz

 10^{-10} temp=25 $E_{\rm g} 10^{-11}$ 10^{-12} 5 10 15 20 25 vin[V]

Zzlz izl = 0.885377, izh = 1.1146236





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