

MDC_UDZS9_1B_AD

ADS Model **Zener Diode** ROHM UDZS9.1B

Model Information

Model A macro model based on general SPICE diode model Call Name MDC UDZS9 1B AD Pin Assign 1:C 2:A File List Model Library MDC_UDZS9_1B_AD.zip Model Report MDC_UDZS9_1B_AD.pdf (this file)

Verified Simulator Version Note

ADS version 2020 Update 2

References

The information which was used for modeling is as follow:

[Data Sheet]

Date/Version	2012.02 -
Product name	UDZS9.1
Company name	ROHM C
Characteristics	Vrlr[Tem

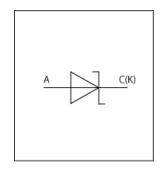
- Rev.D В o., Ltd. p],IrVr[Temp],CjVr,ZzIz

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)	9	to	9	V
Temperature	-55	to	150	deg C



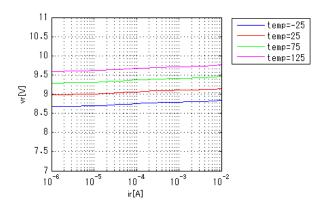




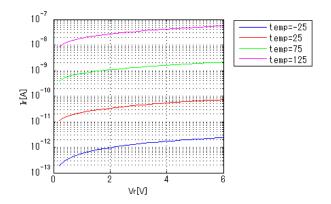
Diode Model Functions Table	RANK=1	O : Implemented × : Not Implemented — : Not applicable
Functions	RANK	Implemented
IF-VF(Temp)	1	—
IR-VR(Temp)	1	0
Capacitance	1	0
Reverse recovery characteristics	1	—
Zz-Iz	1	0
Rectification characteristics(Bridge)	1	—
Surge voltage-Transient	1	—



Vrlr[Temp]

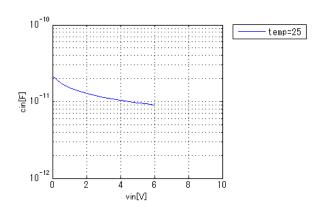


lrVr[Temp]

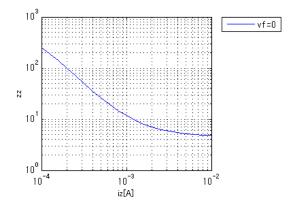


CjVr

Freq = 100000Hz



Zzlz izl = 0.885377, izh = 1.1146236





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