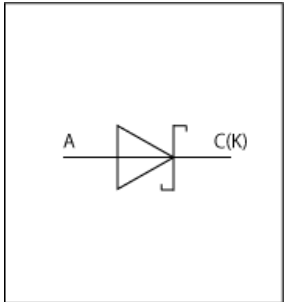


# PSpice Model

## Schottky Diode

### ROHM

### RB160VYM-40FH



#### Model Information

Model	A macro model based on general SPICE diode model		
Call Name	MDC_RB160VYM-40FH_PS		
Pin Assign	1:C 2:A		
File List	Model Library	MDC_RB160VYM-40FH_PS01.lib	
	Model Report	MDC_RB160VYM-40FH_PS.pdf (this file)	
Verified Simulator Version	PSpice version 16.6		
Note			

#### References

The information which was used for modeling is as follow:

[Data Sheet]

●Date/Version	Rev.003
●Product name	RB160VYM-40FH
●Company name	ROHM Co., Ltd.
●Characteristics	IfVf[Temp],IrrVr[Temp],CjVr,Trr

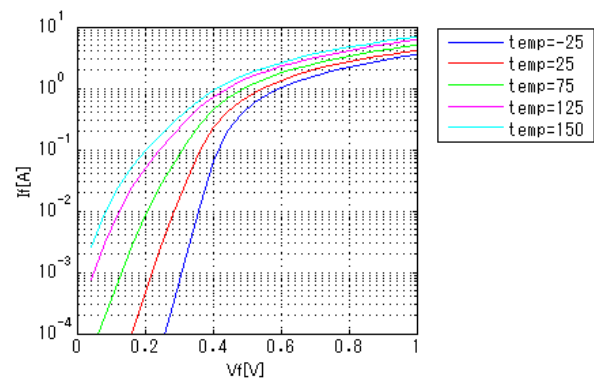
#### Simulation Range

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

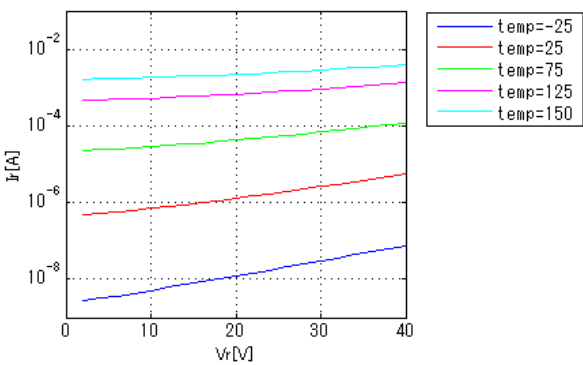
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	10	V
Reverse Voltage	0	to	80	V
Temperature	-40	to	150	deg C

Simulation results are following.  
Explanatory notes    — : simulated

IfVf[Temp]

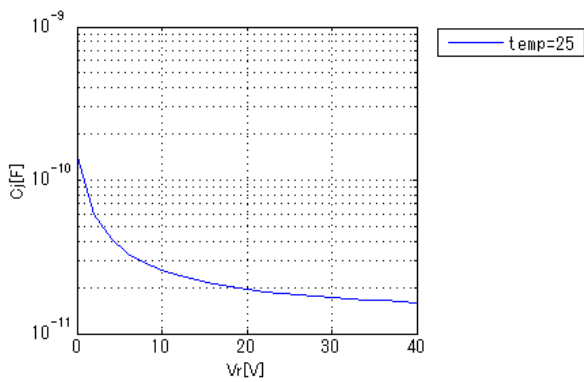


IrVr[Temp]

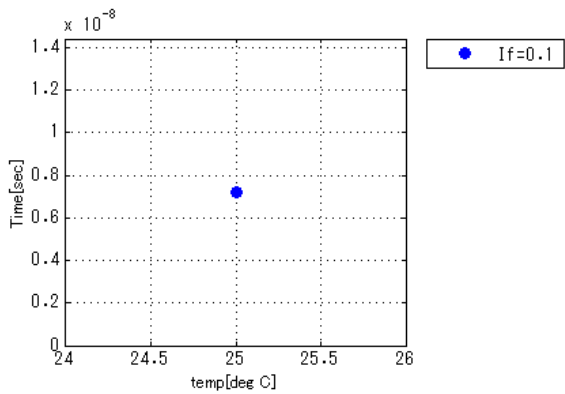


CjVr

Freq. = 1MHz



Trr



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