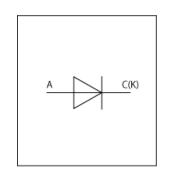


PSpice Model Rectifier Diode GW SM4005A



Model Information

Model A macro model based on general SPICE diode model

Call Name MDC SM4005A PS

Pin Assign 1:A 2:C

File List Model Library MDC_SM4005A_PS01.lib

Model Report MDC_SM4005A_PS.pdf (this file)

Verified Simulator Version

Note

PSpice version 16.6

References

The information which was used for modeling is as follow:

[Data Sheet]

Date/Version UnknownProduct name SM4005A

Company nameCharacteristicsGoodwork Semiconductor Co., Ltd.IfVf[Temp], I rVr[Temp], CjVr

Simulation Range

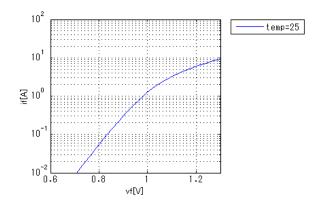
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	13	V
Reverse Voltage	0	to	1200	V
Temperature	-65	to	150	deg C

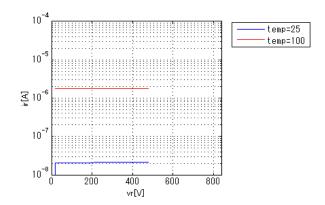


Simulation results are following. Explanatory notes — : simulated

IfVf[Temp]

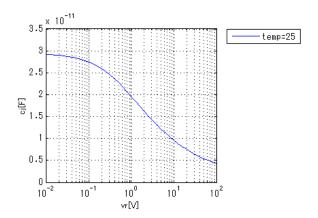


IrVr[Temp]



CjVr

Freq. = 1MHz





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