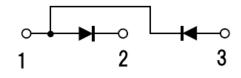


# PSpice Model Rectifier Diode SanRex DD100KB160



## **Model Information**

 Model
 A macro model based on general SPICE diode model

 Call Name
 MDC\_DD100KB160\_PS

 Pin Assign
 1:A1C2 2:C1 3:A2

 File List
 Model Library
 MDC\_DD100KB160\_PS01.lib

 Model Report
 MDC\_DD100KB160\_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 17.2

#### References

The information which was used for modeling is as follow:

[Data Sheet]	
Date/Version	
Product name	

Company nameCharacteristics

Unknown DD100KB160 Sansha Electric Manufacturing Co.,Ltd. IfVf[Temp],IrVr[Temp],SurgeCurrentWaveform

#### 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.	
Reverse Voltage	0	to	1,600	V
Temperature	-40	to	125	deg C



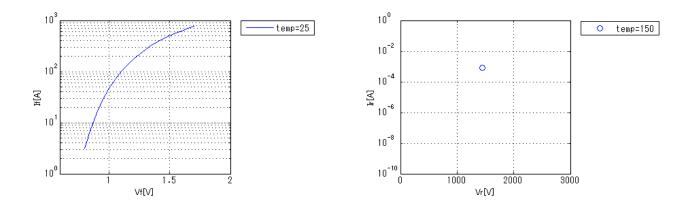
Diode Model Functions Table	RANK=1	O : Implemented × : Not Implemented — : Not applicable
Functions	RANK	Implemented
IF-VF(Temp)	1	0
IR-VR(Temp)	1	0
Capacitance	1	—
Reverse recovery characteristics	1	—
Zz-Iz	1	—
Rectification characteristics(Bridge)	1	—
Surge Current-Transient	1	0



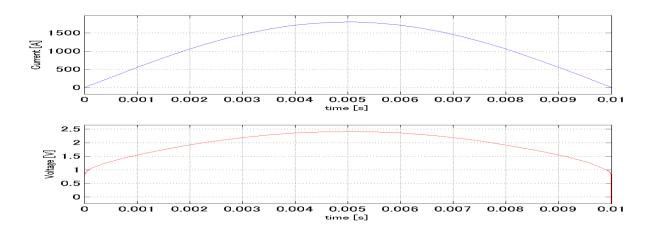
# Simulation results are following. Explanatory notes -: simulated

### lfVf[Temp]

IrVr[Temp]



### Surge Current Waveform (Forward Sine Half 50Hz)





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