

## PSpice Model CRD SEMITEC E-152

### **Model Information**

ModelA macro model based on general SPICE diode modelCall NameMDC\_E-152\_PSPin Assign1:A 2:CFile ListModel LibraryMDC\_E-152\_PS02.libModel ReportMDC\_E-152\_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]

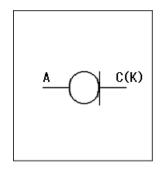
Date/Version
Product name
Company name
Characteristics

2014.06 E-152 SEMITEC Corporation IfVf,IfTemp

### **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	1,000	V
Temperature	-30	to	150	deg C





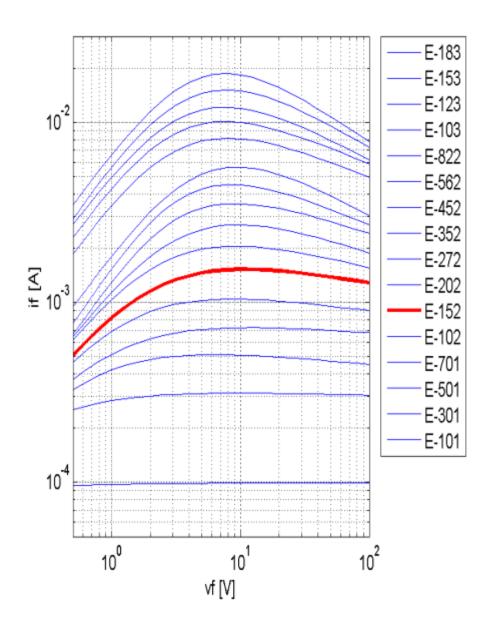
Diode Model Functions Table	RANK=1	O : Implemented × : Not Implemented — : Not applicable
Functions	RANK	Implemented
IF-VF(Temp)	1	0
IR-VR(Temp)	1	—
Capacitance	1	—
Reverse recovery characteristics	1	—
Zz-Iz	1	—
Rectification characteristics(Bridge)	1	—
Surge voltage-Transient	1	—



# Simulation results are following. Explanatory notes -: simulated

lfVf

Temp = 25degC

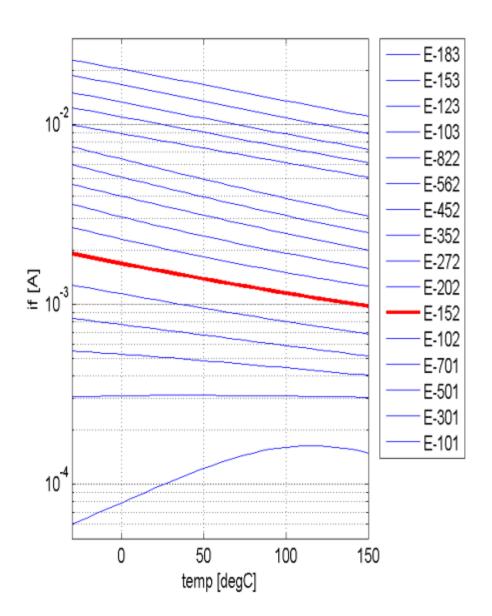




#### Simulation results are following. Explanatory notes — : simulated

### IfTemp

Vf = 10V





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