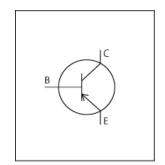


# LTspice Model PNP Diodes 2DB1694



## **Model Information**

Model Mextram model
Call Name MDC\_2DB1694\_LT

**Pin Assign** 1:C 2:B 3:E **File List** Model Library

Model Library MDC\_2DB1694\_LT01.lib
Model Report MDC\_2DB1694\_LT.pdf (this file)

**Verified Simulator Version** 

Note

LTspice version XVII

#### References

The information which was used for modeling is as follow:

[Data Sheet]

Date/VersionProduct nameRev. 2 - 22DB1694

Company name Diodes Incorporated

● Characteristics IcVce[ib],hFEIc[Temp],Vce(sat)Ic[Temp],IcVbe[Temp],Cib,Co

b

#### **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.	
Collector-emitter voltage (DC)	0	to	-30	V
Base current (DC)	0	to	-0.050	Α
Temperature	-55	to	150	deg C

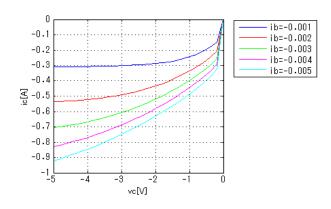


Simulation results are following.

Explanatory notes — : simulated

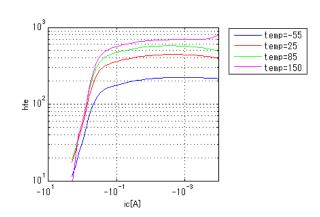
#### IcVce[ib]

Temp. = 25deg C



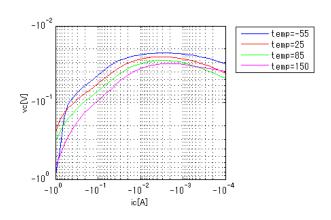
#### hFEIc[Temp]

Vce = -2V



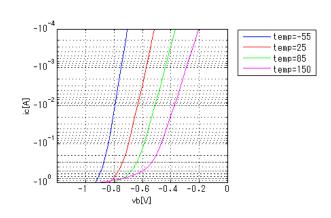
#### Vce(sat)lc[Temp]

IC/IB = 20



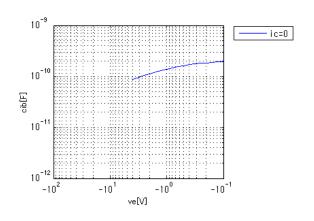
#### IcVbe[Temp]

Vce = -2V



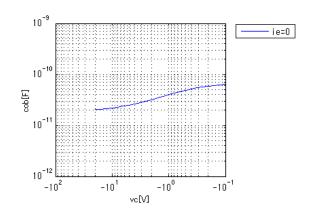
### Cib

Freq. = 1MHz



#### Cob

Freq. = 1MHz





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