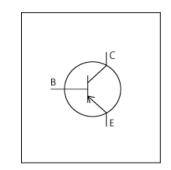


# PSpice Model PNP Diodes 2DA12130



# **Model Information**

Model Mextram model
Call Name MDC\_2DA1213O\_PS

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

Model Library MDC\_2DA1213O\_PS01.lib
Model Report MDC\_2DA1213O\_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/VersionProduct nameRev: 5 - 22DA12130

Company name Diodes Incorporated

● Characteristics IcVce[ib],hFEIc[Temp],Vce(sat)lc[Temp],IcVbe[Temp],Vbe(s

at)Ic[Temp],Cob,fTIc[Vce]

#### **Simulation Range**

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

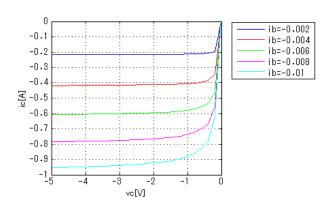
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	-50	V
Base current (DC)	0	to	-500m	Α
Temperature	-55	to	150	deg C



Simulation results are following. Explanatory notes — : simulated

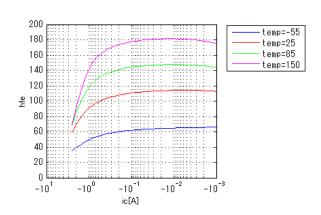
#### IcVce[ib]

Temp. = 25deg C



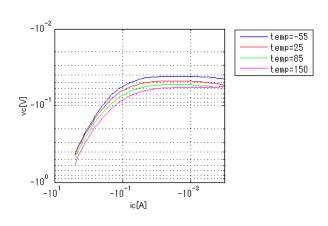
### hFEIc[Temp]

Vce = -2V



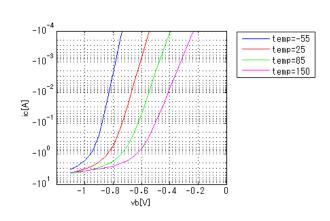
#### Vce(sat)lc[Temp]

IC/IB = 20



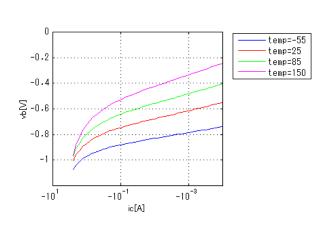
## IcVbe[Temp]

Vce = -2V



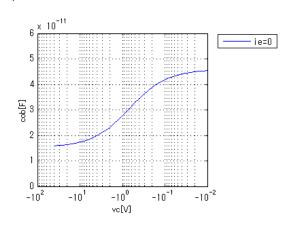
#### Vbe(sat)lc[Temp]

IC/IB = 20



#### Cob

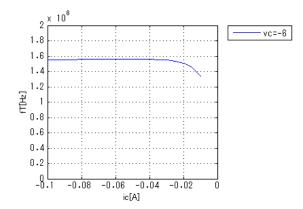
Freq. = 1MHz





Simulation results are following. Explanatory notes — : simulated

## fTIc[Vce]





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