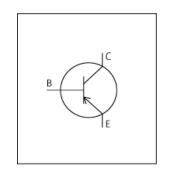


# PSpice Model PNP Nexperia BC807-25QA



# **Model Information**

Model Mextram model

Call Name MDC\_BC807-25QA\_PS

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

Model Library MDC\_BC807-25QA\_PS01.lib

Model Report MDC\_BC807-25QA\_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/VersionRev. 1 - 30 August 2013

Product nameCompany nameBC807-25QANexperia B.V.

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

at)Ic[Temp]

#### **Simulation Range**

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

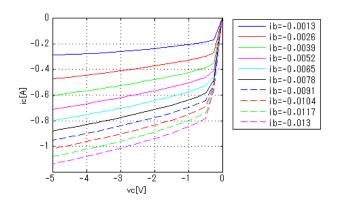
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	-45	V
Base current (DC)	0	to	-50	Α
Temperature	-65	to	150	deg C



Simulation results are following. Explanatory notes — : simulated

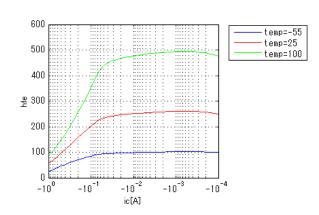
## IcVce[ib]

Temp. = 25deg C



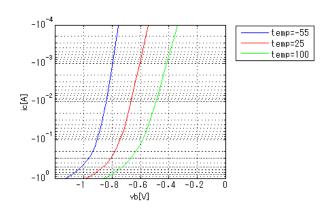
#### hFEIc[Temp]

Vce = -1V



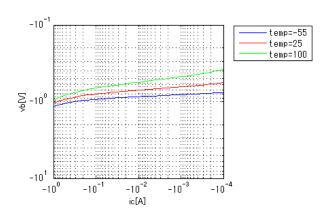
#### IcVbe[Temp]

Vce = -1V



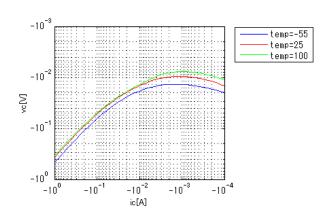
#### Vbe(sat)lc[Temp]

IC/IB = 10



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

IC/IB = 10





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