

### MDC\_BC817-25\_PS

# PSpice Model NPN Nexperia BC817-25

# **Model Information**

ModelMextram modelCall NameMDC\_BC817-25\_PSPin Assign1:C 2:B 3:EFile ListModel Library<br/>Model Report

MDC\_BC817-25\_PS01.lib MDC\_BC817-25\_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

#### References

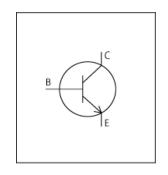
The information which was used for modeling is as follow:

Rev. 06 - 17 November 2009 BC817-25 Nexperia B.V. IcVce[ib],hFEIc[Temp],Vbe(sat)Ic[Temp],Vce(sat)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	200m	А
Temperature	-65	to	150	deg C

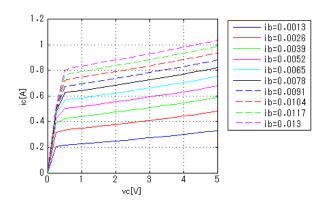




# Simulation results are following. Explanatory notes -: simulated

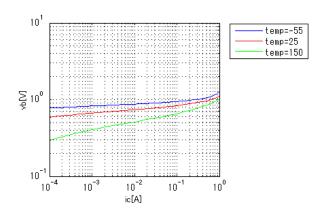
#### IcVce[ib]

Temp. = 25deg C



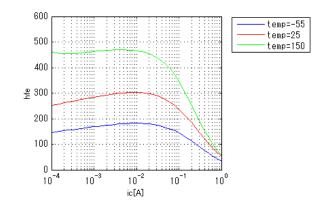
## Vbe(sat)lc[Temp]

IC/IB = 10



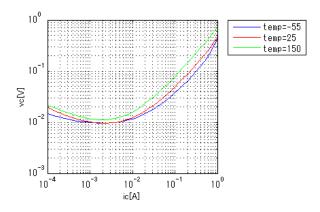
## hFElc[Temp]

Vce = 1V



## Vce(sat)lc[Temp]

IC/IB = 10





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