

MDC_BC807-40_PS

PSpice Model PNP Nexperia BC807-40

Model Information

ModelMextram modelCall NameMDC_BC807-40_PSPin Assign1:C 2:B 3:EFile ListModel Library
Model Report

MDC_BC807-40_PS01.lib MDC_BC807-40_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

References

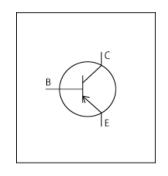
The information which was used for modeling is as follow:

Rev. 06 - 17 November 2009 BC807-40 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	-50	А
Temperature	-65	to	150	deg C

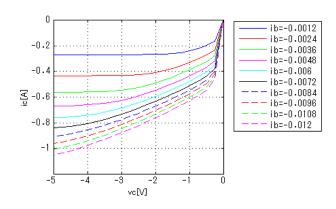




Simulation results are following. Explanatory notes — : simulated

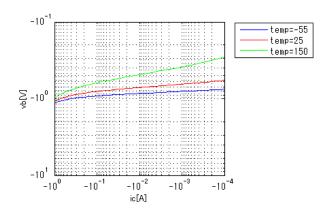
lcVce[ib]

Temp. = 25deg C



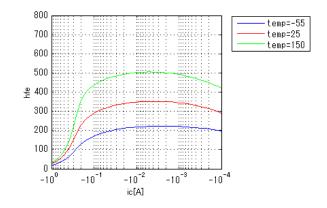
Vbe(sat)Ic[Temp]

IC/IB = 10



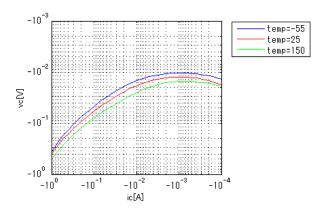
hFElc[Temp]

Vce = -1V



Vce(sat)lc[Temp]

IC/IB = 10





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