

PSpice Model PNP ON BD244C



Model Information

Model Gummel-Poon model
Call Name MDC_BD244C_PS
Pin Assign 1:C 2:B 3:E
File List Model Library MDC_BD244C_PS02.lib
 Model Report MDC_BD244C_PS.pdf (this file)

Verified Simulator Version PSpice version 16.6
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version Rev.A, February 2000
- Product name BD244C
- Company name ON Semiconductor.
- Characteristics hFEIc[Temp],Vce(sat)Ic[Temp],Vbe(sat)Ic[Temp]

Simulation Range

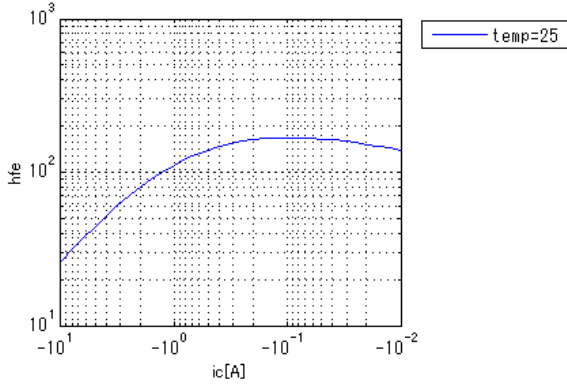
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	-100	V
Base current (DC)	0	to	-2	A
Temperature	-65	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

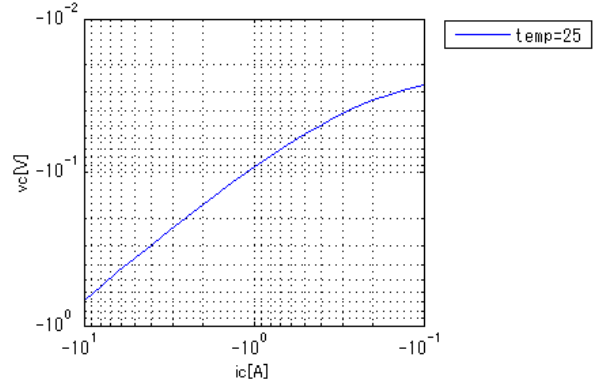
hFEIc[Temp]

Vce = -2V



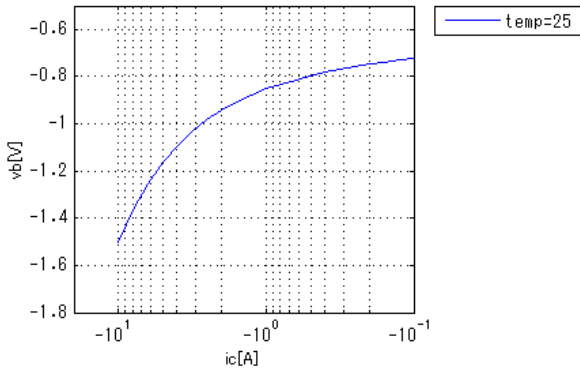
Vce(sat)Ic[Temp]

IC/IB = 10.1



Vbe(sat)Ic[Temp]

IC/IB = 10.1



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