

PSpice Model

NPN

SanKen

SPF0001



Model Information

Model Mextram model
Call Name MDC_SPF0001_PS
Pin Assign 1:C 2:B 3:E
File List Model Library MDC_SPF0001_PS01.lib
 Model Report MDC_SPF0001_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 None
- Product name SPF0001
- Company name SanKen Electric Co., Ltd.
- Characteristics hFEIc[Temp],Vce(sat)Ib[Temp],IcVbe[Temp]

Simulation Range

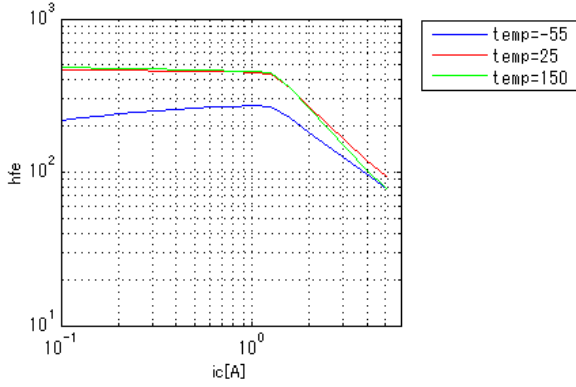
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

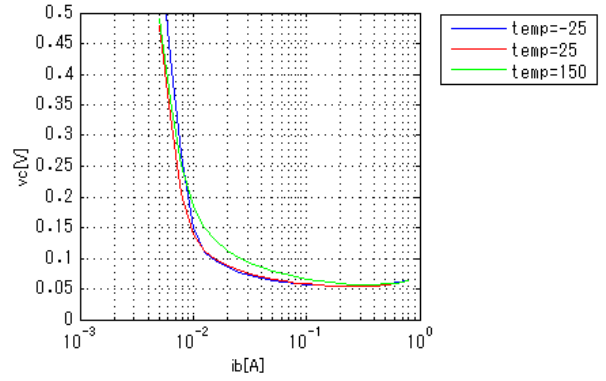
hFEIc[Temp]

Vce = 1V



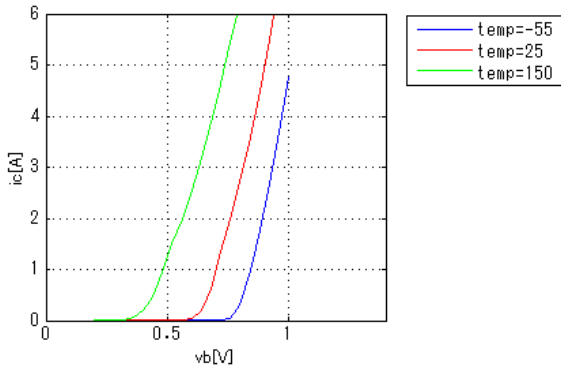
Vce(sat)Ib[Temp]

Ic = 1.2A



IcVbe[Temp]

Vce = 1V



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