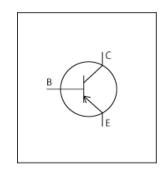


PSpice Model PNP ROHM 2SB1189



Model Information

Model Gummel-Poon
Call Name MDC_2SB1189_PS

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

Model Library MDC_2SB1189_PS01.lib
Model Report MDC_2SB1189_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/Version 2010.07 - Rev.B

Product name 2SB1189

● Company name ROHM Co., Ltd.

● Characteristics IcVce[ib],IcVbe[Temp],hFEIc[Vce],Vce(sat)Ic[hFE],fTIc[Vce],

Cob,Cib

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	-80	V
Temperature	-55	to	150	deg C



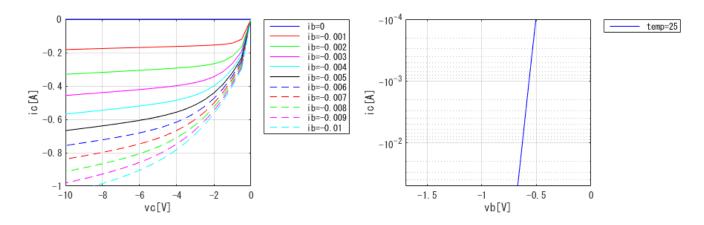
Simulation results are following. Explanatory notes — : simulated

IcVce[ib]

Temp. = 25deg C

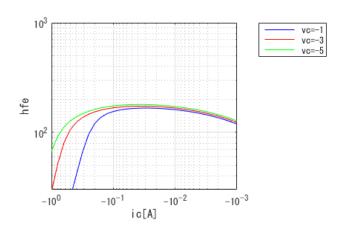
IcVbe[Temp]

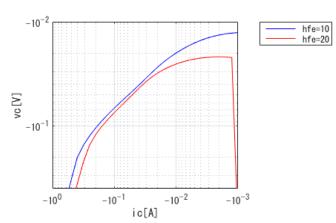
Vce = -6V



hFEIc[Vce]

Vce(sat)lc[hFE]

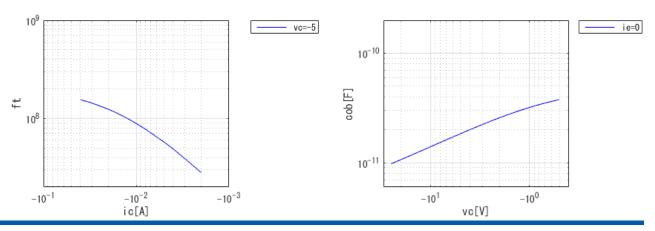




fTlc[Vce]

Cob

Freq. = 1MHz

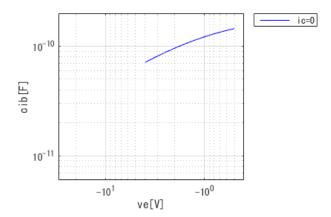




Simulation results are following. Explanatory notes — : simulated

Cib

Freq. = 1MHz





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