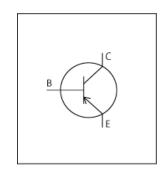


PSpice Model PNP RENESAS 2SB605



Model Information

Model Mextram model
Call Name MDC_2SB605_PS
Pin Assign 1:C 2:B 3:E

Model Library MDC_2SB605_PS01.lib

Model Report MDC_2SB605_PS.pdf (this file)

Verified Simulator Version

Note

File List

PSpice version 16.6

References

The information which was used for modeling is as follow:

[Data Sheet]

Date/VersionProduct nameUnknown2SB605

● Company name Renesas Electronics Corporation

● Characteristics IcVce[ib], Vce(sat)Ic[Temp], Vbe(sat)Ic[Temp], IcVbe[Temp], h

FEIc[Temp],fTIc[Vce],Cob

Simulation Range

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

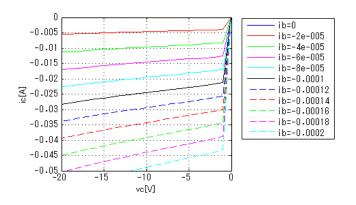
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	-50	V
Base current (DC)	0	to	-0.10	А
Temperature	-55	to	150	deg C



Simulation results are following. Explanatory notes — : simulated

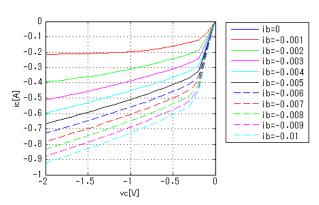
IcVce[ib]

Temp. = 25deg C



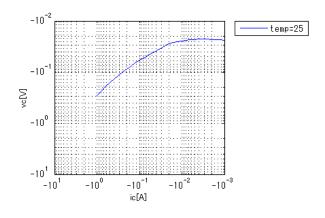
IcVce[ib]

Temp. = 25deg C



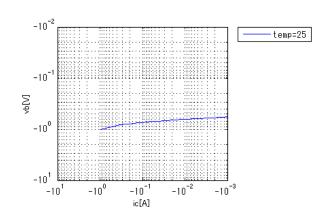
Vce(sat)lc[Temp]

IC/IB = 10



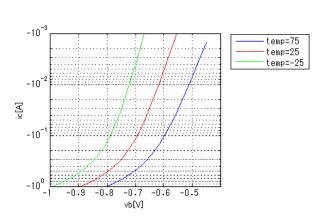
Vbe(sat)lc[Temp]

IC/IB = 10



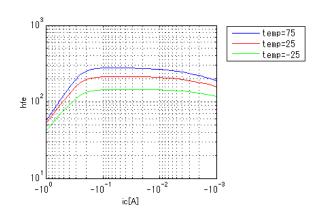
IcVbe[Temp]

Vce = -6V



hFEIc[Temp]

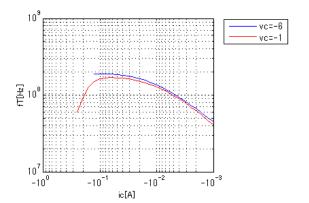
Vce = -1V





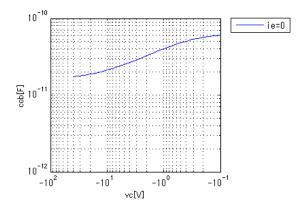
Simulation results are following. Explanatory notes — : simulated

fTIc[Vce]



Cob

Freq. = 1MHz





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