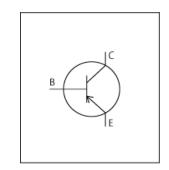


PSpice Model PNP RENESAS 2SA1464



Model Information

Model Mextram model
Call Name MDC_2SA1464_PS

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

Model Library MDC_2SA1464_PS01.lib
Model Report MDC_2SA1464_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/VersionProduct nameUnknown2SA1464

● Company name Renesas Electronics Corporation

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

FEIc[Temp],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.

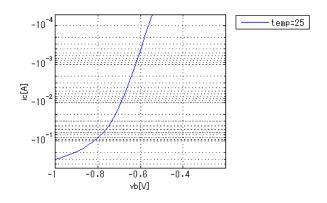
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	-40	V
Base current (DC)	0	to	-50	Α
Temperature	-55	to	150	deg C



Simulation results are following. Explanatory notes — : simulated

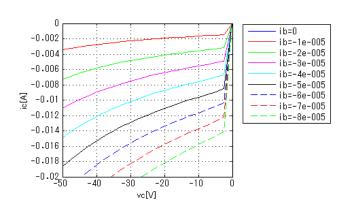
IcVbe[Temp]

Vce = -10V



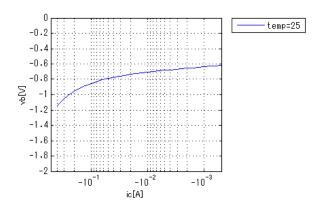
IcVce[ib]

Temp. = 25deg C



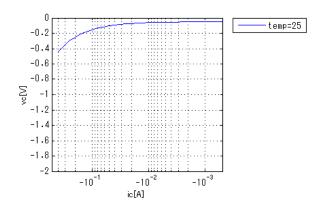
Vbe(sat)lc[Temp]

IC/IB = 10



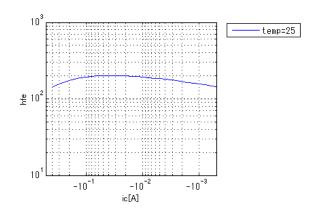
Vce(sat)Ic[Temp]

IC/IB = 10

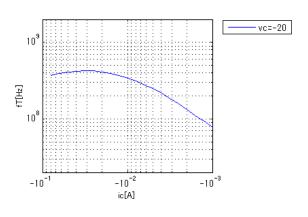


hFEIc[Temp]

Vce = -10V



fTIc[Vce]

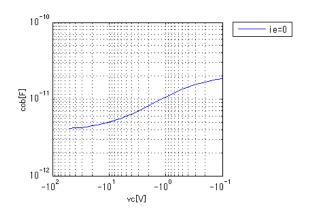




Simulation results are following. Explanatory notes — : simulated

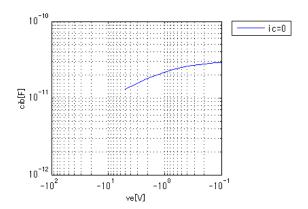
Cob

Freq. = 1MHz



Cib

Freq. = 1MHz





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