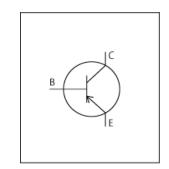


PSpice Model PNP Panasonic DSA9005



Model Information

Model Mextram model
Call Name MDC_DSA9005_PS

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

Model Library MDC_DSA9005_PS01.lib
Model Report MDC_DSA9005_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 2012/02Product name DSA9005

Company name Panasonic Corporation

● Characteristics IcVce[ib],hFEIc[Temp],Vce(sat)Ic[Temp],IcVbe[Temp],Cob,fT

Ic[Vce]

Simulation Range

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

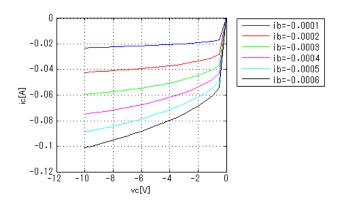
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	-50	V
Base current (DC)	0	to	-20	Α
Temperature	-55	to	150	deg C



Simulation results are following. Explanatory notes — : simulated

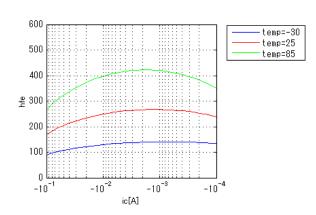
IcVce[ib]

Temp. = 25deg C



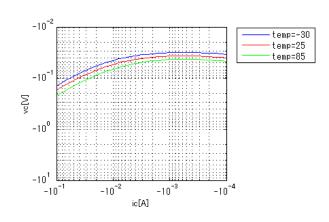
hFEIc[Temp]

Vce = -10V



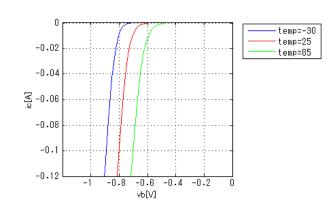
Vce(sat)lc[Temp]

IC/IB = 10



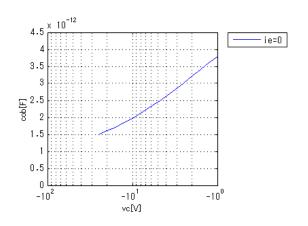
IcVbe[Temp]

Vce = -10V

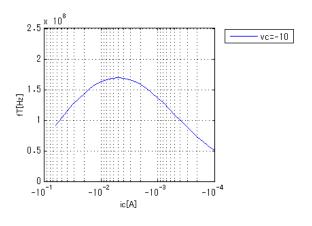


Cob

Freq. = 1MHz



fTlc[Vce]





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