

MDC_2N3904A-G_LT

LTspice Model NPN Comchip 2N3904A-G

Model Information

ModelGummel-Poon modelCall NameMDC_2N3904A-G_LTPin Assign1:C 2:B 3:EFile ListModel Library
Model Report

MDC_2N3904A-G_LT01.lib MDC_2N3904A-G_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

The information which was used for modeling is as follow:

[Data Sheet] • Date/Version • Product name • Company name

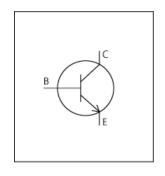
Characteristics

REV:A 2N3904A-G Comchip Technology Co., Ltd. IcVce[ib],hFEIc[Temp],IcVbe[Temp],Cib,Cob,fTIc[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	40	V
Temperature	-55	to	150	deg C

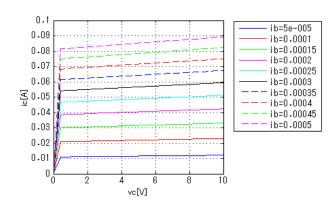




Simulation results are following. Explanatory notes -: simulated

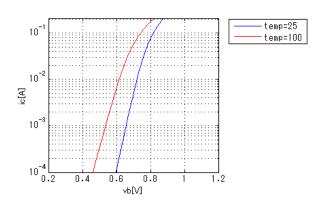
lcVce[ib]

Temp. = 25deg C

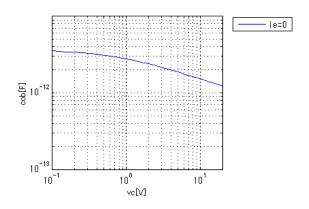


IcVbe[Temp]

Vce = 5V



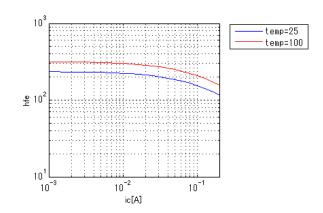




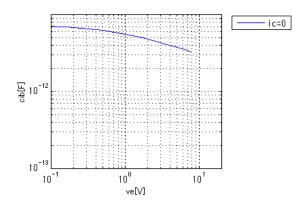
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hFElc[Temp]

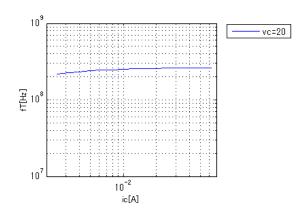
Vce = 1V







fTIc[Vce]





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