MDC_KTA1505S_LT

KEC KTA1505S Model Information

ModelGummel-Poon modelCall NameMDC_KTA1505S_LTPin Assign1:E 2:B 3:CFile ListModel Library
Model Report

MDC_KTA1505S_LT01.lib MDC_KTA1505S_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

The information which was used for modeling is as follow:

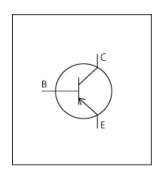
No.4 KTA1505S KEC Corporation IcVce[ib],hFEIc[Temp],Vce(sat)Ic[Temp],IbVbe[Temp]

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	-30	V
Base current (DC)	0	to	-50m	А
Temperature	-55	to	150	deg C

1





LTspice Model

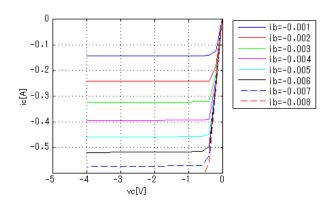
PNP



Simulation results are following. Explanatory notes — : simulated

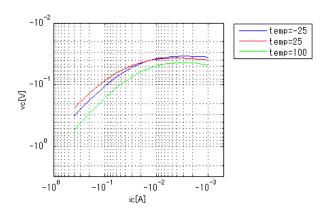
lcVce[ib]

Temp. = 25deg C



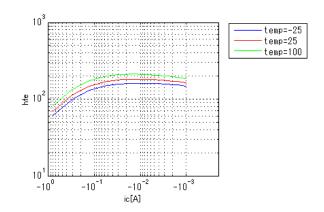
Vce(sat)lc[Temp]

IC/IB = 10



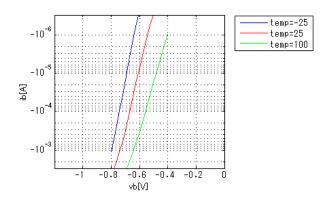
hFElc[Temp]

Vce = -6V



lbVbe[Temp]

Vce = -6V





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