

MDC_2SA1944-T111-1G_LT

LTspice Model PNP Isahaya 2SA1944-T111-1G

Model Information

 Model
 Gummel-Poon model

 Call Name
 MDC_2SA1944-T111-1G_LT

 Pin Assign
 1:C 2:B 3:E

 File List
 Model Library
 MDC_2SA

 Model Report
 MDC_2SA

MDC_2SA1944-T111-1G_LT01.lib MDC_2SA1944-T111-1G_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

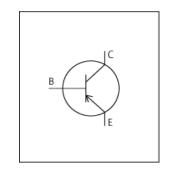
The information which was used for modeling is as follow:

Unknown 2SA1944-T111-1G Isahaya Electronics Corporation IcVce[ib],IcVbe[Temp],hFEIc[Temp],VceIb[Ic],fTIe[Vce],Cob, Vce(sat)Ic[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	-50	V
Collector current (DC)	0	to	-1	А
Temperature	-55	to	150	degC

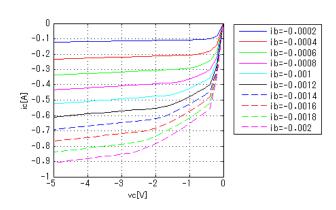




Simulation results are following. Explanatory notes — : simulated

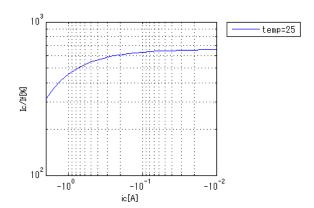
IcVce[ib]

Temp. = 25deg C

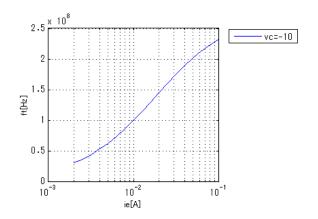


hFElc[Temp]

Vce = -6V



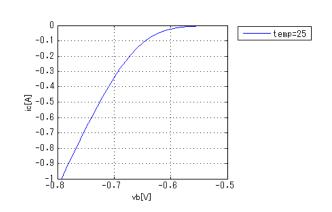
fTle[Vce]



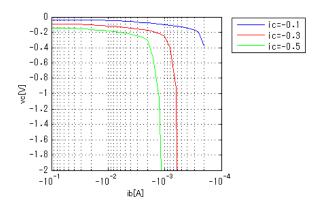
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lcVbe[Temp]

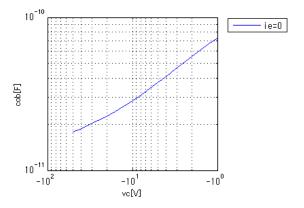
Vce = -6V



Vcelb[lc]



Cob Freq. = 1MHz

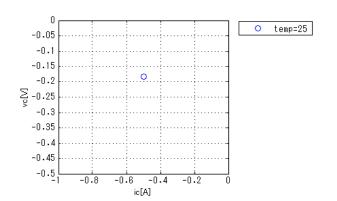




Simulation results are following. Explanatory notes — : simulated

Vce(sat)lc[Temp]

IC/IB = 50





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