

MDC_2SB1132T100Q_LT

LTspice Model PNP ROHM 2SB1132T100Q

Model Information

 Model
 Gummel-Poon model

 Call Name
 MDC_2SB1132T100Q_LT

 Pin Assign
 1:E 2:C 3:B

 File List
 Model Library
 MDC

 Model Report
 MDC

MDC_2SB1132T100Q_LT01.lib MDC_2SB1132T100Q_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

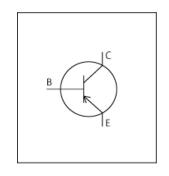
The information which was used for modeling is as follow:

2009.12 - Rev.C 2SB1132T100Q ROHM Co., Ltd. IcVce[ib],IcVbe[Temp],hFEIc[Vce],hFEIc[Temp], Vce(sat)Ic[Temp],Vce(sat)Ib[Ic],fTIc[Vce],Cob

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	-0.05	А
Temperature	-50	to	150	deg C

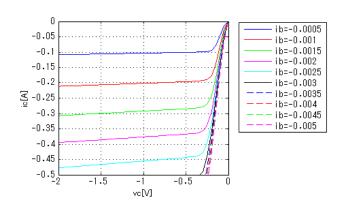




Simulation results are following. Explanatory notes — : simulated

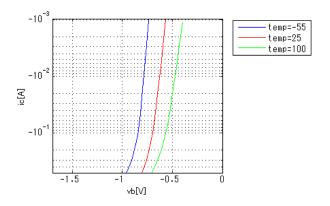
IcVce[ib]



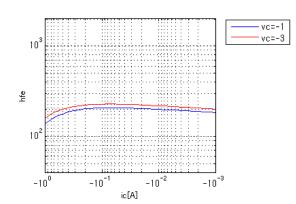


lcVbe[Temp]

Vce = -6V

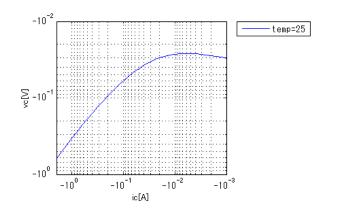


hFElc[Vce]



Vce(sat)lc[Temp]

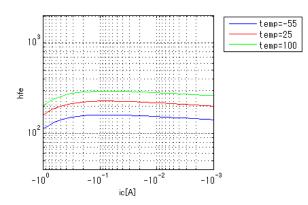
IC/IB = 10



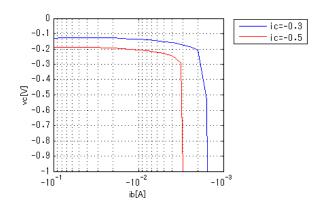
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hFElc[Temp]

Vce = -3V



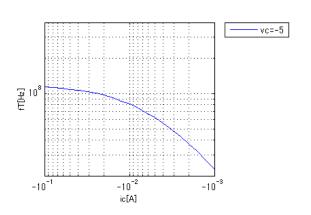
Vce(sat)lb[lc]





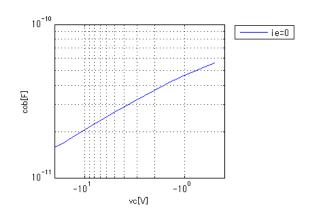
Simulation results are following. Explanatory notes -: simulated

fTIc[Vce]











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