

MDC_TBC857_PS

PSpice Model PNP TOSHIBA TBC857

Model Information

ModelMextram modelCall NameMDC_TBC857_PSPin Assign1:C 2:B 3:EFile ListModel Library
Model Report

MDC_TBC857_PS01.lib MDC_TBC857_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
 Unknown

 • Product name
 TBC857

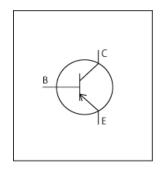
 • Company name
 Toshiba Corporation

 • Characteristics
 hFEIc[Temp],IcVbe[Temp],Vbe(sat)Ic[Temp],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
Base current (DC)	0	to	-30m	А
Temperature	-55	to	150	deg C

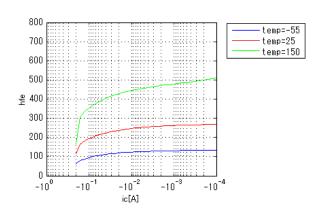




Simulation results are following. Explanatory notes -: simulated

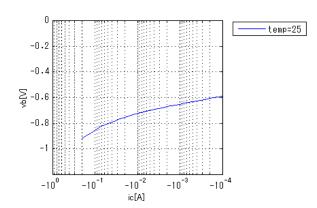
hFElc[Temp]

Vce = -5V



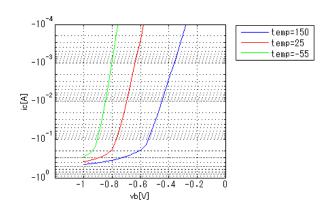
Vbe(sat)lc[Temp]

IC/IB = 20



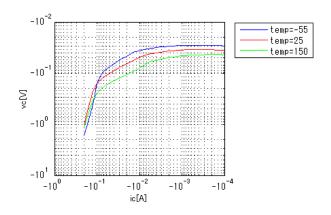
IcVbe[Temp]

Vce = -5V



Vce(sat)lc[Temp]

IC/IB = 20





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MoDeCH Inc.

Head Office Location: Mitsuiseimei Hachioji Bldg., 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan Tel:+81-42-656-3360 E-Mail:model-on-support@modech.co.jp URL:http://www.modech.com/en/