

MDC_TBC857_PS

PSpice Model PNP TOSHIBA TBC857

Model Information

ModelGummel-Poon modelCall NameMDC_TBC857_PSPin Assign1:C 2:B 3:EFile ListModel Library
Model Report

MDC_TBC857_PS02.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:

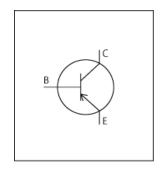
 [Data Sheet]

 Date/Version
 Unknown
 Product name
 TBC857
 Company name
 Characteristics
 hFElc[Temp],IcVbe[Temp],Vbe(sat)Ic[Temp],Vce(sat)Ic[Temp]
 p]

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

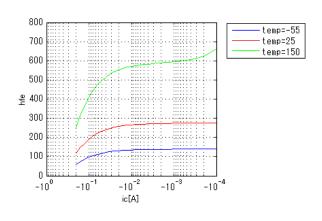




Simulation results are following. Explanatory notes -: simulated

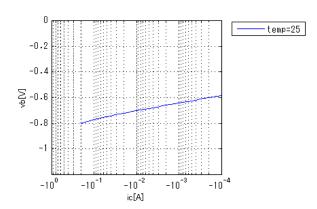
hFEIc[Temp]

Vce = -5V



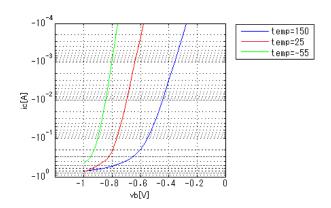
Vbe(sat)lc[Temp]

IC/IB = 20



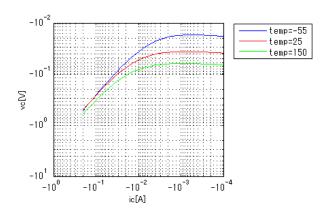
IcVbe[Temp]

Vce = -5V



Vce(sat)lc[Temp]

IC/IB = 20





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