

MDC_BC846_LT

LTspice Model NPN Nexperia BC846

Model Information

ModelMextram modelCall NameMDC_BC846_LTPin Assign1:C 2:B 3:EFile ListModel Library
Model Report

MDC_BC846_LT01.lib MDC_BC846_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

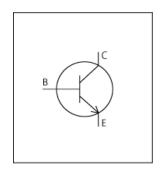
The information which was used for modeling is as follow:

Rev. 9 - 25 September 2012 BC846 Nexperia B.V. hFEIc[Temp],IcVbe[Temp],Vce(sat)Ic[Temp],Vbe(sat)Ic[Tem 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	65	V
Base current (DC)	0	to	10	А
Temperature	-65	to	150	deg C

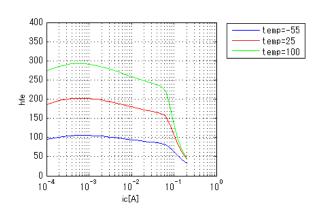




Simulation results are following. Explanatory notes — : simulated

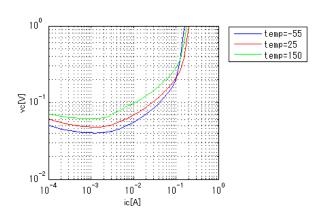
hFElc[Temp]

Vce = 5V



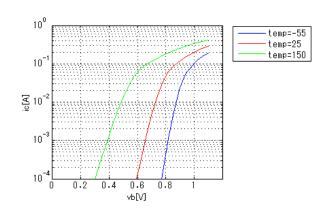
Vce(sat)lc[Temp]

IC/IB = 20



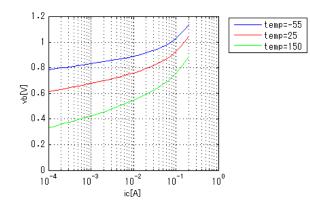
lcVbe[Temp]

Vce = 5V



Vbe(sat)lc[Temp]

IC/IB = 10





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