

MDC_KSD1691_PS

PSpice Model NPN ON KSD1691

Model Information

ModelGummel-Poon modelCall NameMDC_KSD1691_PSPin Assign1:C 2:B 3:EFile ListModel Library
Model Report

MDC_KSD1691_PS02.lib MDC_KSD1691_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

References

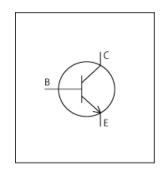
The information which was used for modeling is as follow:

Rev. A, February 2000 KSD1691 ON Semiconductor. IcVce[ib],hFEIc[Vce],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.

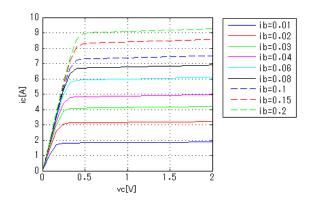
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	60	V
Base current (DC)	0	to	1	А
Temperature	-55	to	150	deg C





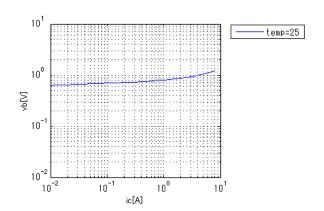
lcVce[ib]

Temp. = 25deg C

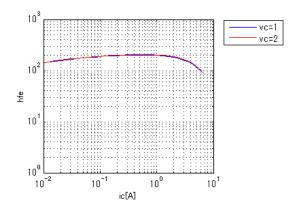


Vbe(sat)lc[Temp]

IC/IB = 10

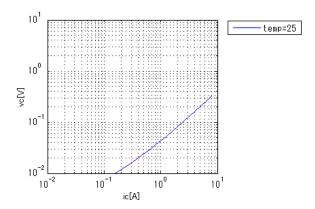


hFElc[Vce]



Vce(sat)lc[Temp]

IC/IB = 10





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