

MDC_2SD1767_PS

PSpice Model NPN ROHM 2SD1767

Model Information

ModelMextram modelCall NameMDC_2SD1767_PSPin Assign1:C 2:B 3:EFile ListModel Library
Model Report

MDC_2SD1767_PS01.lib MDC_2SD1767_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

References

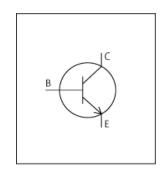
The information which was used for modeling is as follow:

Rev.A 2SD1767 ROHM Co., Ltd. IcVce[ib],IcVbe[Temp],hFEIc[Vce],Vce(sat)Ic[hFE],fTIc[Vce], Cob,Cib

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	80	V
Base current (DC)	0	to	0.07	А
Temperature	-55	to	150	deg C

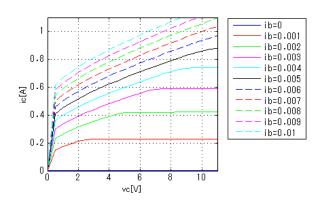




Simulation results are following. Explanatory notes — : simulated

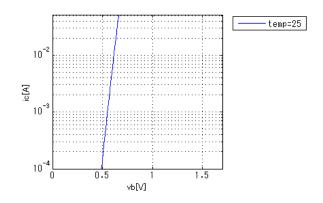
IcVce[ib]

Temp. = 25deg C

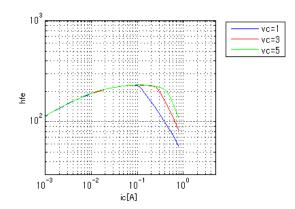


IcVbe[Temp]

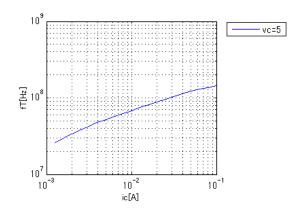
Vce = 6V



hFElc[Vce]

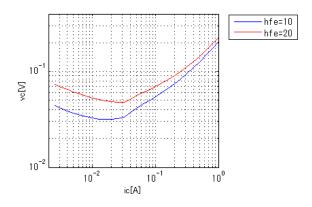


fTIc[Vce]

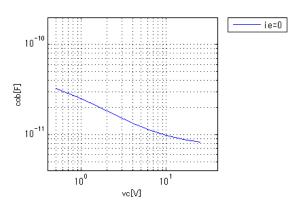


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Vce(sat)lc[hFE]



Cob Freq. = 1MHz

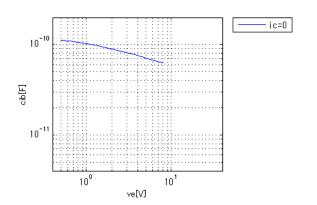




Simulation results are following. Explanatory notes -: simulated

Cib

Freq. = 1MHz





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