

MDC_2DC2412R_LT

LTspice Model NPN Diodes 2DC2412R

Model Information

ModelGummel-Poon modelCall NameMDC_2DC2412R_LTPin Assign1:C 2:B 3:EFile ListModel Library
Model Report

MDC_2DC2412R_LT01.lib MDC_2DC2412R_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

The information which was used for modeling is as follow:

[Data Sheet]

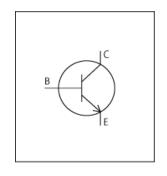
Date/Version
Product name
Company name
Characteristics

Rev. 3 - 2 2DC2412R Diodes Incorporated Vce(sat)Ic[Temp],fTIc[Vce],hFEIc[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	8	А
Temperature	-55	to	150	deg C

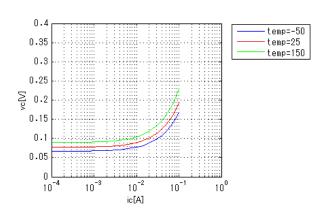




Simulation results are following. Explanatory notes -: simulated

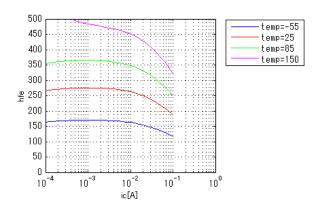
Vce(sat)lc[Temp]

IC/IB = 20

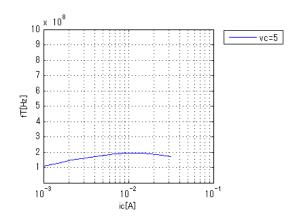


hFEIc[Temp]

Vce = 6V



fTlc[Vce]





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