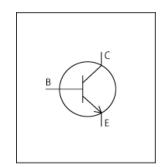


PSpice Model NPN Diodes 2DC2412R



Model Information

Model Mextram model
Call Name MDC_2DC2412R_PS

Pin Assign 1:C 2:B 3:E
File List Model Library

Model Report MDC_2DC2412R_PS.pdf (this file)

Verified Simulator Version

Note

PSpice version 16.6

MDC_2DC2412R_PS01.lib

References

The information which was used for modeling is as follow:

[Data Sheet]

Date/VersionProduct nameRev. 3 - 22DC2412R

Company name Diodes Incorporated

● Characteristics Vce(sat)lc[Temp],fTlc[Vce],hFElc[Temp]

Simulation Range

This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

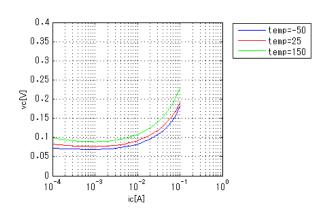
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	50	V
Base current (DC)	0	to	8	Α
Temperature	-55	to	150	deg C



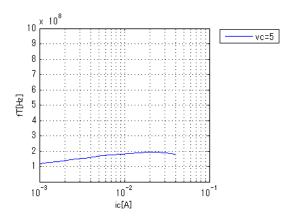
Simulation results are following. Explanatory notes — : simulated

Vce(sat)lc[Temp]

IC/IB = 20

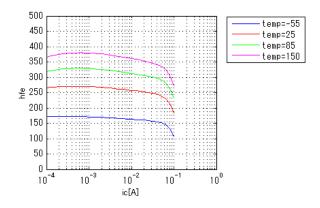


fTlc[Vce]



hFEIc[Temp]

Vce = 6V





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