

# MDC\_2SC3324\_PS

# PSpice Model NPN TOSHIBA 2SC3324

# Model Information

ModelMextram modelCall NameMDC\_2SC3324\_PSPin Assign1:C 2:B 3:EFile ListModel Library<br/>Model Report

MDC\_2SC3324\_PS01.lib MDC\_2SC3324\_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

#### References

The information which was used for modeling is as follow:

[Data Sheet] • Date/Version

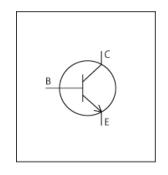
Product name
Company name
Characteristics

2014-03-01 2SC3324 Toshiba Corporation IcVce[ib],hFEIc[Temp],Vce(sat)Ic[Temp],IcVbe[Temp],Cob

#### 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	120	V
Base current (DC)	0	to	20m	А
Temperature	-55	to	125	deg C

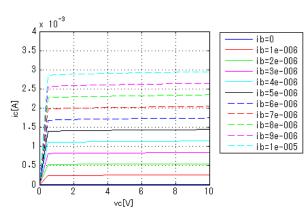




#### Simulation results are following. Explanatory notes — : simulated

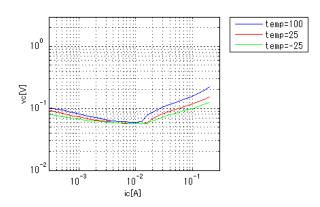
#### IcVce[ib]



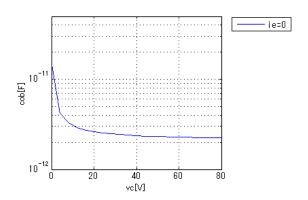


## Vce(sat)lc[Temp]

IC/IB = 10



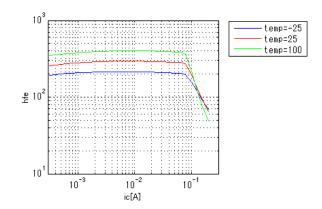




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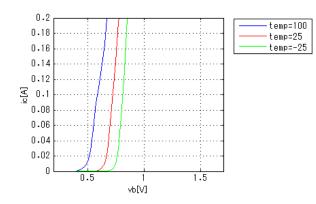
## hFElc[Temp]

Vce = 6V



### IcVbe[Temp]

Vce = 6V





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