

# MDC\_2SC2713\_PS

# PSpice Model NPN TOSHIBA 2SC2713

# **Model Information**

ModelMextram modelCall NameMDC\_2SC2713\_PSPin Assign1:C 2:B 3:EFile ListModel Library<br/>Model Report

MDC\_2SC2713\_PS01.lib MDC\_2SC2713\_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

#### References

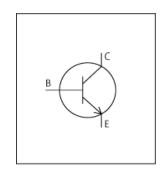
The information which was used for modeling is as follow:

Unknown 2SC2713 Toshiba Corporation IcVce[ib],Cob,IcVbe[Temp],hFEIc[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	120	V
Base current (DC)	0	to	20m	А
Temperature	-55	to	125	deg C

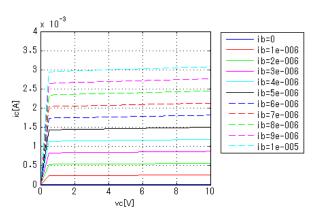




#### Simulation results are following. Explanatory notes — : simulated

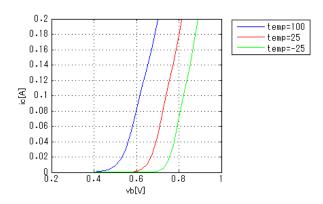
#### IcVce[ib]





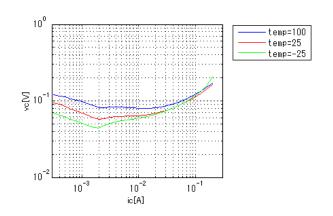
## IcVbe[Temp]

Vce = 6V



## Vce(sat)lc[Temp]

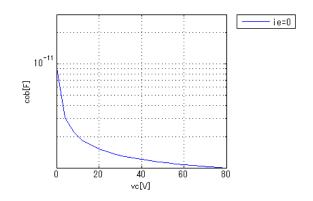
IC/IB = 10



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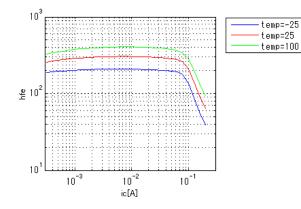
# Cob

Freq. = 1MHz



### hFElc[Temp]

Vce = 6V





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