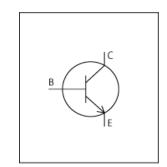


# LTspice Model NPN Isahaya 2SC3441



# **Model Information**

Model Gummel-Poon model
Call Name MDC\_2SC3441\_LT

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

Model Library MDC\_2SC3441\_LT01.lib
Model Report MDC\_2SC3441\_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 2017/5Product name 2SC3441

Company name Isahaya Electronics Corporation

● Characteristics IcVce[ib],hFEIc[Vce],IcVbe[Temp],Vce(sat)Ic[hFE],fTIc[Vce]

#### Simulation Range

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

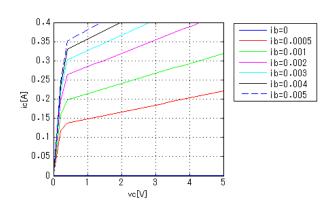
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	50	V
Base current (DC)	0	to	0.02	А
Temperature	-55	to	150	deg C



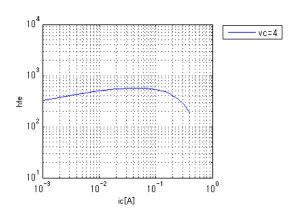
Simulation results are following. Explanatory notes — : simulated

# IcVce[ib]

Temp. = 25deg C

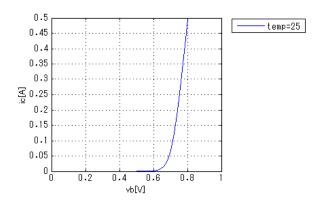


# hFEIc[Vce]

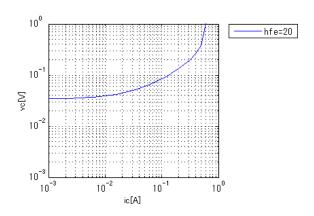


### IcVbe[Temp]

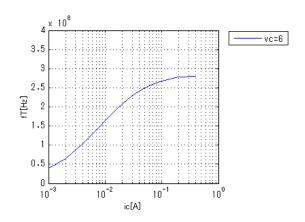
Vce = 4V



# Vce(sat)lc[hFE]



# fTlc[Vce]





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