

# MDC\_DSA2507\_PS

# PSpice Model PNP Panasonic DSA2507

# **Model Information**

ModelMextram modelCall NameMDC\_DSA2507\_PSPin Assign1:C 2:B 3:EFile ListModel Library<br/>Model Report

MDC\_DSA2507\_PS01.lib MDC\_DSA2507\_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

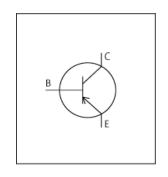
Characteristics

Ver. BJD DSA2507 Panasonic Corporation IcVce[ib],hFEIc[Temp],Vce(sat)Ic[Temp],IcVbe[Temp],Cob,fT Ic[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	-20	V
Base current (DC)	0	to	-0.0750	А
Temperature	-55	to	150	deg C

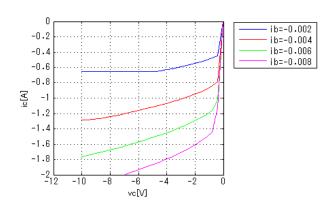




#### Simulation results are following. Explanatory notes — : simulated

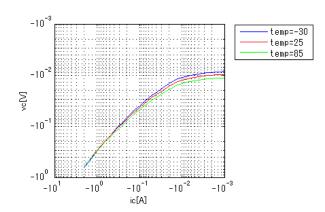
#### IcVce[ib]

Temp. = 25deg C

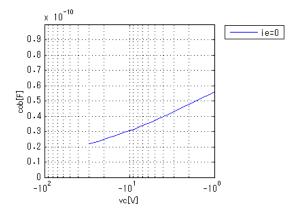


### Vce(sat)lc[Temp]

IC/IB = 20



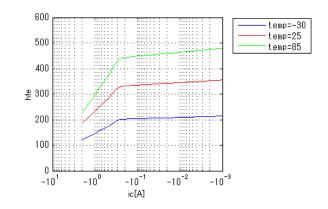




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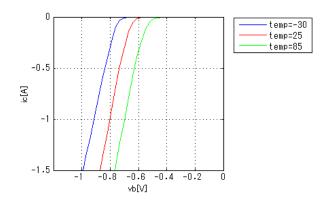
# hFElc[Temp]

Vce = -2V

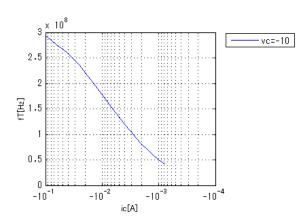


### IcVbe[Temp]

Vce = -2V



# fTlc[Vce]





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MoDeCH Inc.

Head Office Location: Mitsuiseimei Hachioji Bldg., 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan Tel:+81-42-656-3360 E-Mail:model-on-support@modech.co.jp URL:http://www.modech.com/en/