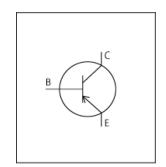


LTspice Model PNP SanKen 2SA1908



Model Information

Model Gummel-Poon model
Call Name MDC_2SA1908_LT

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

Model Library MDC_2SA1908_LT01.lib
Model Report MDC_2SA1908_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 NoneProduct name 2SA1908

Company name Sanken Electric Co., Ltd.

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

Simulation Range

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

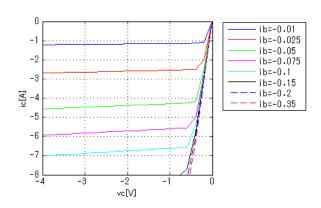
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	-120	V
Base current (DC)	0	to	-3	Α
Temperature	-55	to	150	deg C



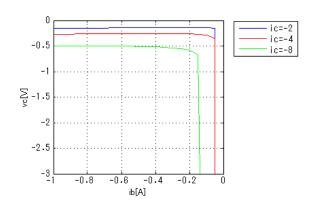
Simulation results are following. Explanatory notes — : simulated

IcVce[ib]

Temp. = 25deg C

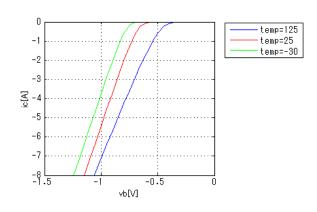


Vce(sat)lb[lc]



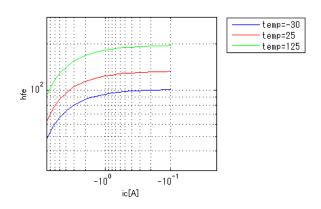
IcVbe[Temp]

Vce = -4V

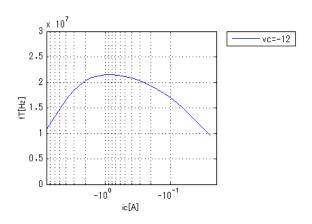


hFElc[Temp]

Vce = -4V



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/