

PSpice Model BRT (Bias Resistor Transistor) TOSHIBA RN1302

Model Information

ModelA macro model based on Mextram modelCall NameMDC_RN1302_PSPin Assign1:C 2:B 3:EFile ListModel Library
Model ReportMDC_RN1302_PS02.lib
MDC_RN1302_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

References

The information which was used for modeling is as follow:

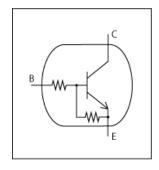
[Data Sheet] • Date/Version

Date/Version
Product name
Company name
Characteristics
Unknown
RN1302
Toshiba Corporation
IcVi[OFF],IcVi[ON],hFEIc[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	50	V
Temperature	-55	to	150	deg C

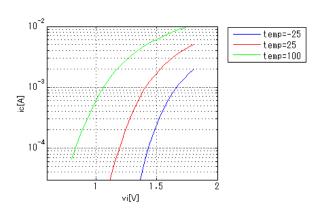




Simulation results are following. Explanatory notes — : simulated

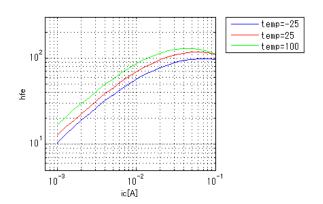
lcVi[OFF]





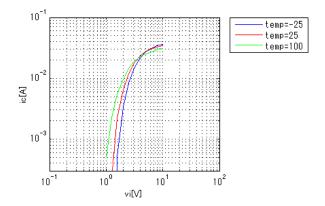
hFEIc[Temp]

Vce = 5V



lcVi[ON]







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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/