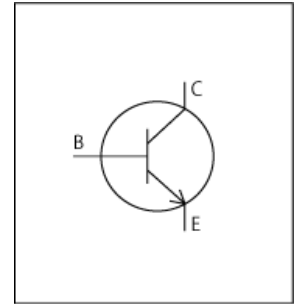


PSpice Model

NPN

STM

2STF1360



Model Information

Model MEXTRAM
Call Name MDC_2STF1360_PS
Pin Assign 1:C 2:B 3:E
File List Model Library MDC_2STF1360_PS02.lib
 Model Report MDC_2STF1360_PS.pdf (this file)

Verified Simulator Version PSpice version 16.6
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version August 2012 Rev 3
- Product name 2STF1360
- Company name STMicroelectronics NV
- Characteristics hFEIc[Temp], Vce(sat)Ic[Temp], Vbe(sat)Ic[Temp], Cob, Cib

Simulation Range

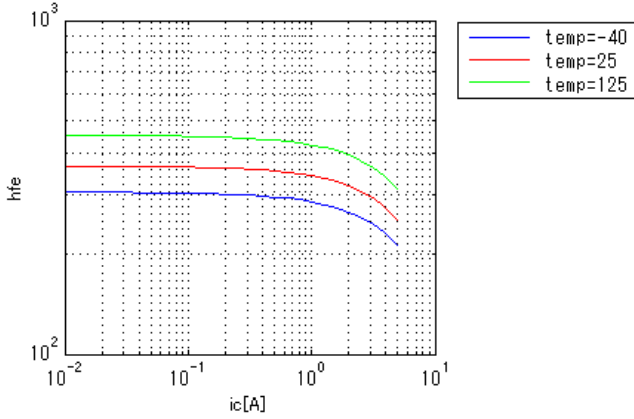
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	60	V
Base current (DC)	0	to	0.2	A
Temperature	-65	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

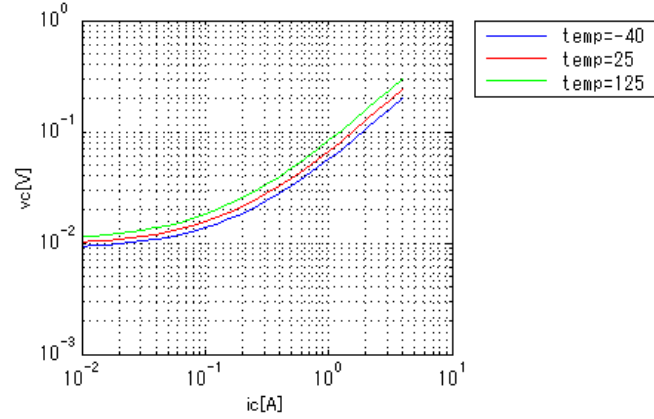
hFEIc[Temp]

Vce = 5V



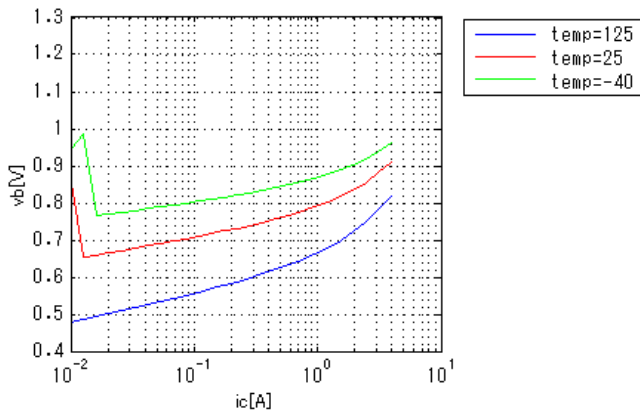
Vce(sat)Ic[Temp]

IC/IB = 20



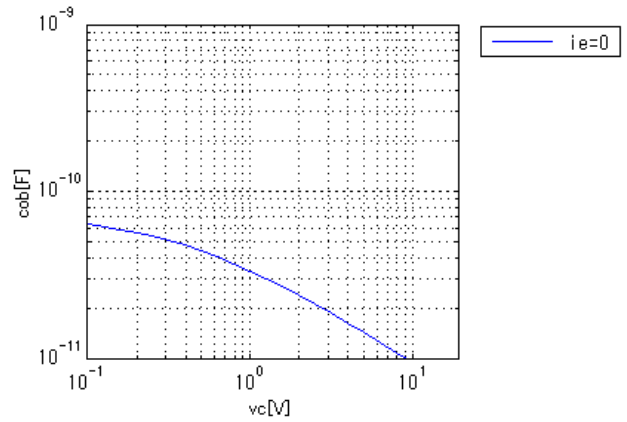
Vbe(sat)Ic[Temp]

IC/IB = 20



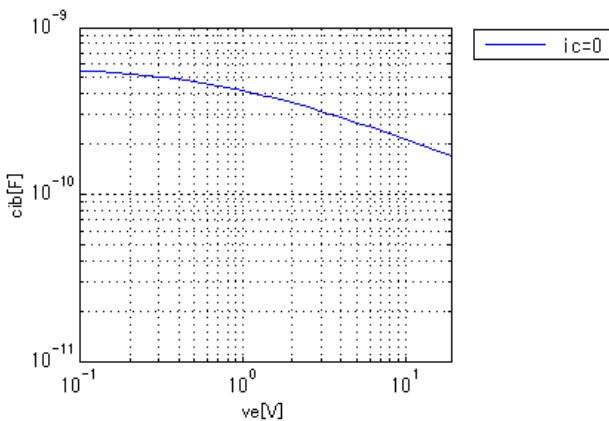
Cob

Freq. = 1MHz



Cib

Freq. = 1MHz



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