

MDC_2SC3518_LT

LTspice Model NPN RENESAS 2SC3518

Model Information

ModelMextram modelCall NameMDC_2SC3518_LTPin Assign1:C 2:B 3:EFile ListModel Library
Model Report

MDC_2SC3518_LT01.lib MDC_2SC3518_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

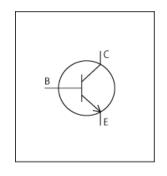
The information which was used for modeling is as follow:

July,2006 2SC3518 Renesas Electronics Corporation IcVce[ib],hFEIc[Vce],Vbe(sat)Ic[Temp],Vce(sat)Ic[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	60	V
Base current (DC)	0	to	1	А
Temperature	-55	to	150	deg C

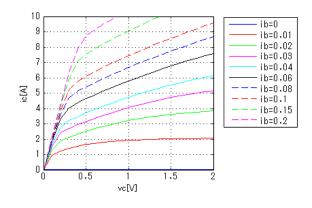




Simulation results are following. Explanatory notes -: simulated

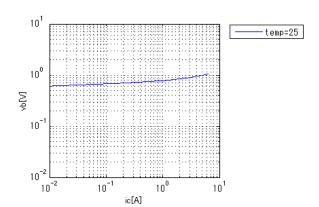
lcVce[ib]

Temp. = 25deg C

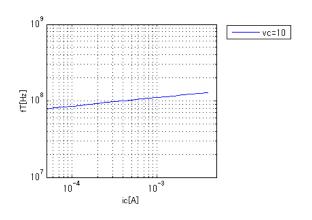


Vbe(sat)lc[Temp]

IC/IB = 10

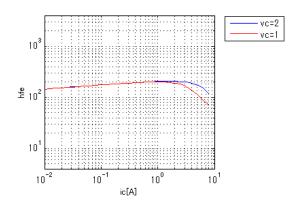


fTIc[Vce]



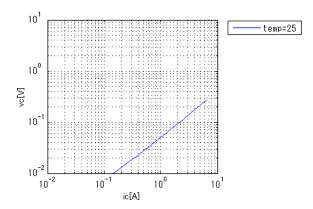
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hFElc[Vce]



Vce(sat)lc[Temp]

IC/IB = 10





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