

## MDC\_FJPF13009\_LT

# LTspice Model NPN ON FJPF13009

## **Model Information**

ModelMextram modelCall NameMDC\_FJPF13009\_LTPin Assign1:C 2:B 3:EFile ListModel Library<br/>Model Report

MDC\_FJPF13009\_LT01.lib MDC\_FJPF13009\_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

#### References

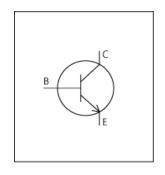
The information which was used for modeling is as follow:

Rev. 1.2.1 FJPF13009 ON Semiconductor. hFElc[Temp],Vbe(sat)Ic[hFE],Vce(sat)Ic[hFE],Cob

#### 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	400	V
Base current (DC)	0	to	6	А
Temperature	-65	to	150	deg C

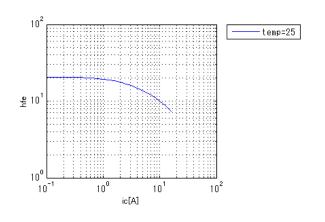




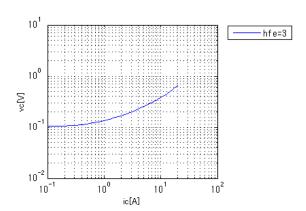
# Simulation results are following. Explanatory notes -: simulated

### hFElc[Temp]

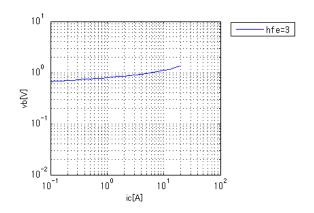
Vce = 5V



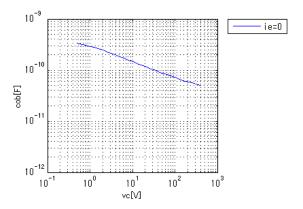
### Vce(sat)lc[hFE]



### Vbe(sat)Ic[hFE]









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