

### MDC\_BC846B\_PS

## PSpice Model PNP NXP BF550

### **Model Information**

ModelGummel-Poon modelCall NameMDC\_BF550\_PSPin Assign1:B 2:E 3:CFile ListModel Library<br/>Model Report

MDC\_BF550\_PS01.lib MDC\_BF550\_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 17.2

#### References

The information which was used for modeling is as follow:

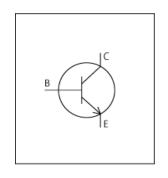
[Data Sheet]

Date/Version	2004/1/16
Product name	BF550
Company name	NXP
Characteristics	hFEIc,IcVbe,CreVce,fTIc

#### **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	-40	V
Base current (DC)	0	to	-25m	А
Temperature	-65	to	150	deg C

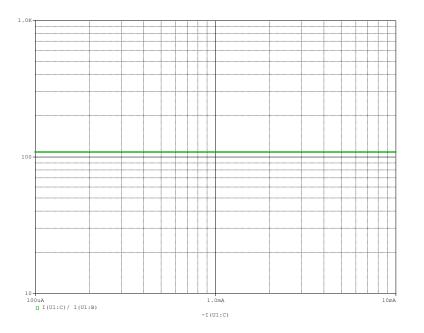




# Simulation results are following. Explanatory notes -: simulated

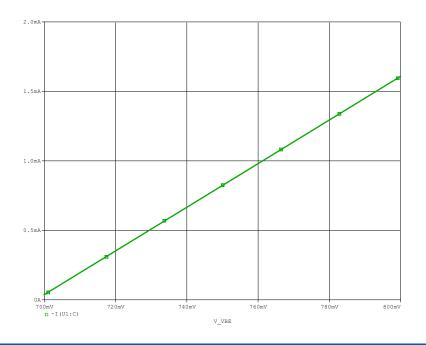
#### hFElc

Vce = -10V



#### **IcVbe**

Vce = -10V

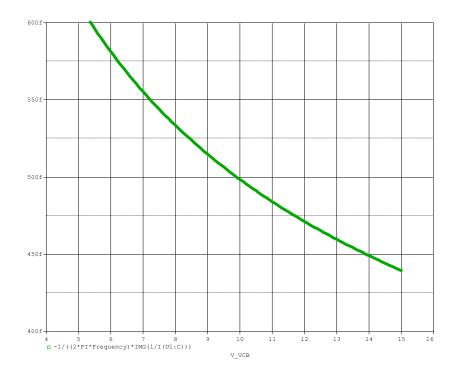


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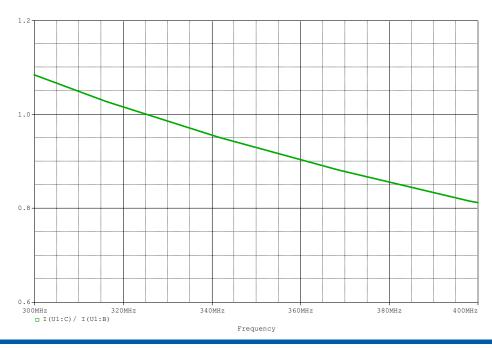
Simulation results are following. Explanatory notes -: simulated

#### Cre



#### fTIc

Vce = -10V



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