

# LTspice Model

## NPN

## RENESAS

## 2SC3356



### Model Information

**Model** Gummel-Poon model  
**Call Name** MDC\_2SC3356\_LT  
**Pin Assign** 1:C 2:B 3:E  
**File List** Model Library MDC\_2SC3356\_LT01.lib  
 Model Report MDC\_2SC3356\_LT.pdf (this file)

**Verified Simulator Version** LTspice version XVII  
**Note**

### References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version Rev.3.00 Jun 28, 2011
- Product name 2SC3356
- Company name Renesas Electronics Corporation
- Characteristics hFEIc[Vce],fTlIc[Vce]

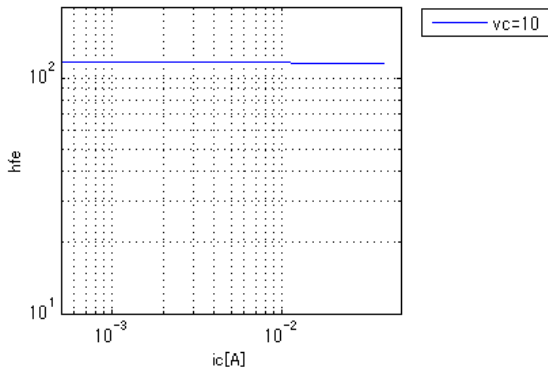
### Simulation Range

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

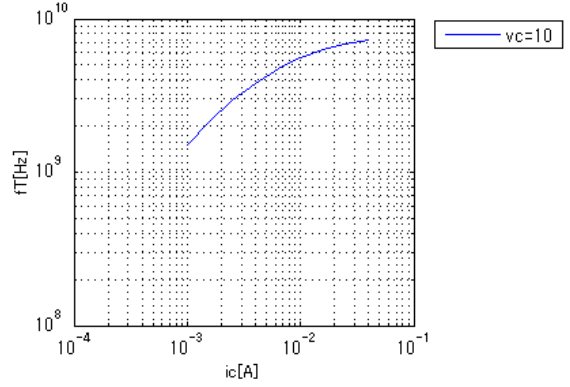
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	12	V
Temperature	-65	to	150	deg C

Simulation results are following.  
 Explanatory notes — : simulated

**hFEIc[Vce]**



**fTIC[Vce]**



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