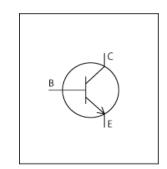


# PSpice Model NPN Diodes 2DC4617Q



## **Model Information**

Model Gummel-Poon model Call Name MDC\_2DC4617Q\_PS

Pin Assign 1:C 2:B 3:E
File List Model Library

Model Library MDC\_2DC4617Q\_PS02.lib
Model Report MDC\_2DC4617Q\_PS.pdf (this file)

**Verified Simulator Version** 

Note

PSpice version 16.6

#### References

The information which was used for modeling is as follow:

[Data Sheet]

Date/Version Rev. 9 - 2Product name 2DC4617Q

Company name Diodes Incorporated

● Characteristics 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.

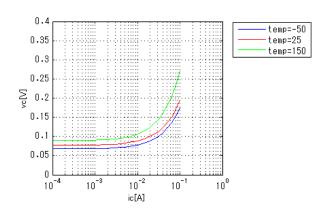
Item	Range			Unit
	Min.		Max.	
Collector-emitter voltage (DC)	0	to	50	V
Base current (DC)	0	to	8	Α
Temperature	-55	to	150	deg C



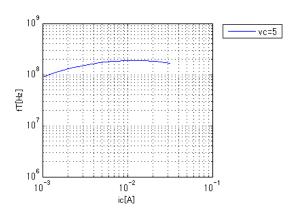
Simulation results are following. Explanatory notes — : simulated

## Vce(sat)lc[Temp]

IC/IB = 20



## fTIc[Vce]





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