

# PSpice Model

## PTC Thermistor

### Littelfuse

### SMD050F2

#### Model Information

**Model** An original macro model  
**Call Name** MDC\_SMD050F2\_PS  
**Pin Assign** PIN1:1 PIN2:2  
**File List** Model Library MDC\_SMD050F2\_PS01.lib  
 Model Report MDC\_SMD050F2\_PS.pdf (this file)  
**Verified Simulator Version** PSpice version 16.6  
**Note**

#### References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version July 26, 2016
- Product name SMD050F2
- Company name Littelfuse, Inc.
- Characteristics ResistanceTemp,ltripTemp

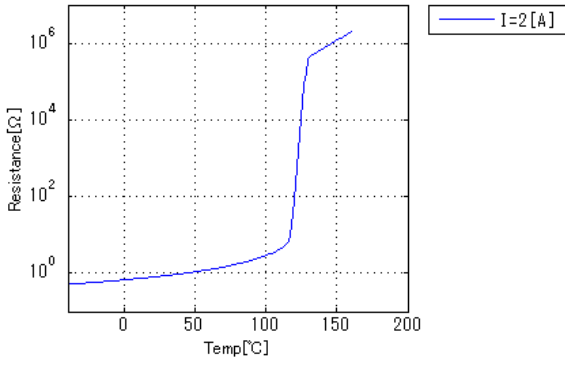
#### Simulation Range

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

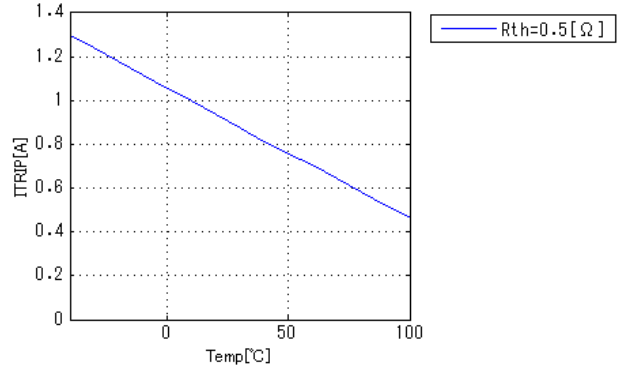
Item	Range			Unit
	Min.		Max.	
Temperature	-40	to	160	deg C

Simulation results are following.  
Explanatory notes — : simulated

**ResistanceTemp**



**ItripTemp**



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