

Thermal Resistance Modeling Report

Two-Resistor Model: BD83A14EFV-M

This application note provides the information needed to create a two-resistor model for thermal simulation of LED Driver IC BD83A14EFV-M. The thermal simulations mentioned here cover three-dimensional thermal conduction and thermal fluid analysis tools.

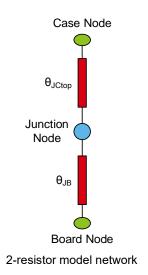
Product Summary

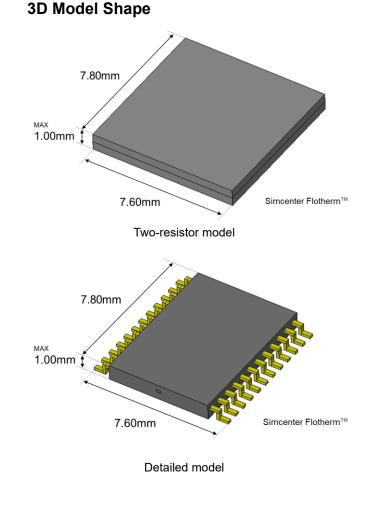
Model name: <u>BD83A14EFV-M</u> Package name: HTSSOP-B24 Function: LED Driver IC

See Datasheet for more details.

Thermal Resistance

Element	Value
θJCtop	21.9 [°C/W]
θ _{ЈВ}	17.8 [°C/W]





References

- [1] JESD15-3:2008, Two-Resistor Compact Thermal Model Guideline
- [2] 'Two-Resistor Model for Thermal Simulation' ROHM

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