

Circuit Environment

*Lab Report*

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| NAME: | NEPTUN: |
| DATE: 19.11.2021 | LAB: 5 |

TASK: Use the following thermal Characteristic of BSC600N25NS3 Power-Transistor.



1. Analysis the thermal junction of the transistor [between 100oC and 150oC].
2. Convert the transistor package into 2R model and validate your model.
3. Using heat sink system to reduce the temperature less than 50oC.

Answer: insert your work here: