



## SPX29502 FAQ

**Sipex Part: SPX29502**

**Date: Mar21-07**

### Question:

We used SPX29302 3A and SPX29502 5A regulators in our existing product. Now we will have new circuit design with current more than 5A. Can we use two SPX29502 in parallel in our circuit even though their output voltages are a little different? Would the thermal considerations be the primary concern?

### Answer:

Operating two LDOs in parallel is not a suggested configuration.

For further assistance with your thermal issues, an application note and calculator file for heat considerations with Linear Regulators:

ANP 2      [LDO Thermal Considerations for Linear Regulators](#)      [PDF]

ANP 3      [LDO Linear Regulator Heat Calculator](#)      [Excel]