



SPX29150: FAQ

Sipex Part: SPX29150

Date: Mar21-07

Question:

Please let us know about the max. capacitor may be used on the input and output of the Regulator SPX29150. Of course capacitor should be as per load requirements. Please let us know about your recommendation about the input and output capacitors on this regulator.

Answer:

The output capacitor should be a minimum of 10uF for stable operation. Input capacitor should be 6.8uF minimum. There are no actual limitations for output capacitor value. Increasing output capacitance will help to improve transient response. If transient response is not much of a concern, then the 10uF output capacitor would be fine. If your application requires a better transient response then the output capacitance value could range from 47uF up to 470uF. It is basically up to the end user to determine largest output capacitance value for application based on bench test results and expectations.

Question:

SPX2815R-L is being obsoleted, is there a replacement from Sipex?

Answer:

Sipex does not offer a drop in replacement for this part. We have other linear regulators that may work in your application but a new board layout would be needed.

<http://www.sipex.com/productselector.aspx?family=LowDropOut>

If you can consider a new layout you could use our SPX29150 part.