

D2 is chosen as a fast-recovery diode to moderate the cost for a high-breakdown voltage part. Because the diode will see $165V + (6 \times V_{in}) + \text{flyback}$ due to leakage inductance, a 600V rating is necessary. C3 is selected as a film capacitor to get high voltage rating and high ripple-current capacity.

Application Note 435: <http://www.maxim-ic.com/an435>

More Information

For technical questions and support: <http://www.maxim-ic.com/support>

For samples: <http://www.maxim-ic.com/samples>

Other questions and comments: <http://www.maxim-ic.com/contact>

Related Parts

MAX4130: [QuickView](#) -- [Full \(PDF\) Data Sheet](#) -- [Free Samples](#)

MAX668: [QuickView](#) -- [Full \(PDF\) Data Sheet](#) -- [Free Samples](#)

AN435, AN 435, APP435, Appnote435, Appnote 435

Copyright © by Maxim Integrated Products

Additional legal notices: <http://www.maxim-ic.com/legal>