



Line Under-voltage Sense

Multiply External resistor by 25μA UV Threshold

$$I_{DCline}$$
 * (R_{DCline}) = (I_{UV} − I_{R15}) * (R12+R13)
 I_{DCline} (25-3.3)μA * (2M + 2M) = 87 V_{DC}

Line Undervoltage Sense Circuit

The DC line voltage can be monitored by connecting an external resistor from the DC line to the ENABLE/ UNDERVOLTAGE pin. During power-up or when the switching of the power MOSFET is disabled in auto-restart, the current into the ENABLE/UNDERVOLTAGE pin must exceed 25 μ A to initiate switching of the power MOSFET.

>2μA Current flow in EN/UV to enable line UV by R15

The line undervoltage circuit also detects when there is no external resistor connected to the ENABLE/UNDERVOLTAGE pin (less than ~2 μ A into the pin). In this case the line undervoltage function is disabled.

