

DC3 Series Application Notes

Shutdown Pin (SDN)

When activated, the shutdown pin will turn the output of the supply off and the unit will draw minimum current. To activate the shutdown, the shutdown pin (Pin #5) can be shorted to the '-' V input pin (Pin #6). Typically, a maximum of 450uAmps will flow through the short. You can also connect a resistive element that is 10K ohms or lower between the shutdown pin (Pin #5) and the '-' V input pin (Pin #6). The pin is typically at a 10 Volts potential relative to the '-' V input pin. If you bring the pin to below around 4 Volts, it will also shutdown the unit.

When the short is applied between the shutdown pin and the '-' Vin pin, the output voltage will start dropping within about 20 u seconds. The time the output takes to reach 0 Volts depends upon the output voltage and the load.

When the short between the shutdown pin and the '-' Vin pin is disconnected, the output voltage will be present typically within 100 milliseconds.