

Test Procedure for the CS5171/CS5173 Evaluation Board

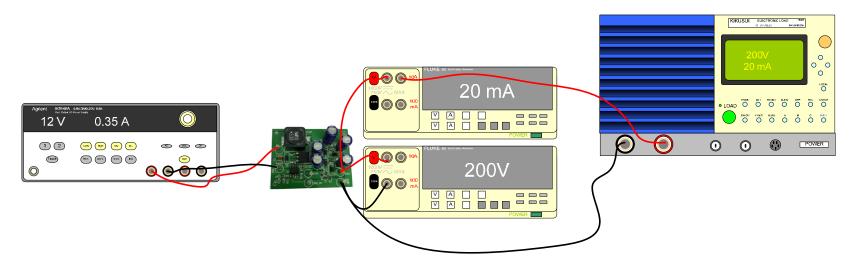


Figure 1: Test Setup

The following steps describe the test procedure for all these boards:

Suggested Equipment:

Test Procedure:

- 1. Connect the test setup as shown in Figure 1.
- 2. Apply an input voltage, $V_{IN} = 12 \text{ Vdc}$
- 3. Apply Iout(load) = 0 A
- 4. Check that $Vout = 200V \pm 5\%Vdc$
- 5. Set Iout to desired level 0 mA- 20 mA and measure voltage and current. The efficiency should be similar to that shown in Figure 3 and 4.
- 6. Check that Vout = $200V \pm 5\%$ Vdc under desired operating condition
- 7. Turn off the load
- 8. Turn off VIN
- 9. End of the test

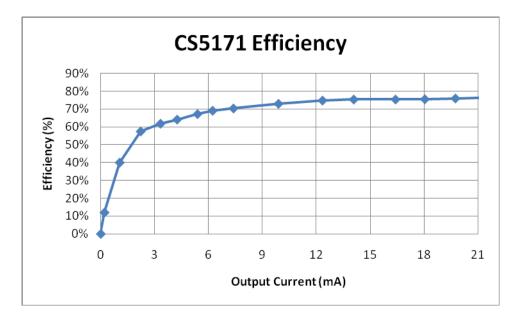


Figure 2: CS5171 12V to 200V Efficiency

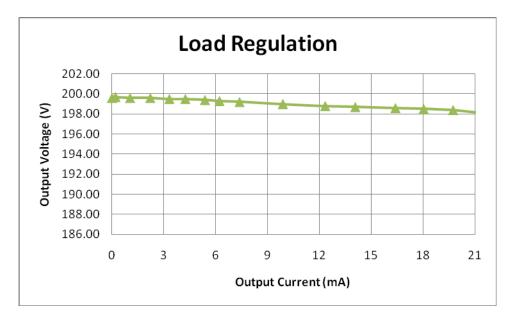


Figure 3: CS5171 12V to 200V Load Regulation