

Test Procedure for the NCP3101BUCK1 Evaluation Board

Necessary Equipment:

- o 1 Current limited DC source
- o 2 DC Volt-Meter able to measure up to 20V DC
- o 1 DC Amp-Meter able to measure up to 3A DC
- o 1 DC Amp-Meter able to measure up to 7A DC
- o 1 DC Electronic Load

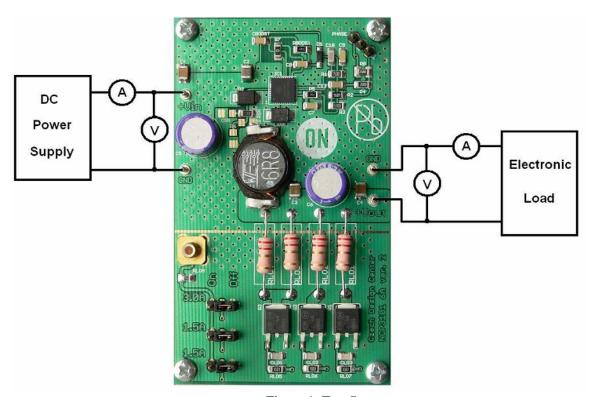


Figure 1: Test Setup

Test Procedure:

- 1. Connect the test setup as shown in Figure 1.
- 2. Apply an input voltage, Vcc = 13.2V
- 3. Apply Iout = 0mA load.
- 4. Check that Vout is ~3.3V
- 5. Increase Iout load to 6A, Warning: The resistor R6 for OCP setting is not assembled
- 6. Check that Vout is ~3.3V
- 7. Power down the load
- 8. Power down Vcc
- 9. End of test