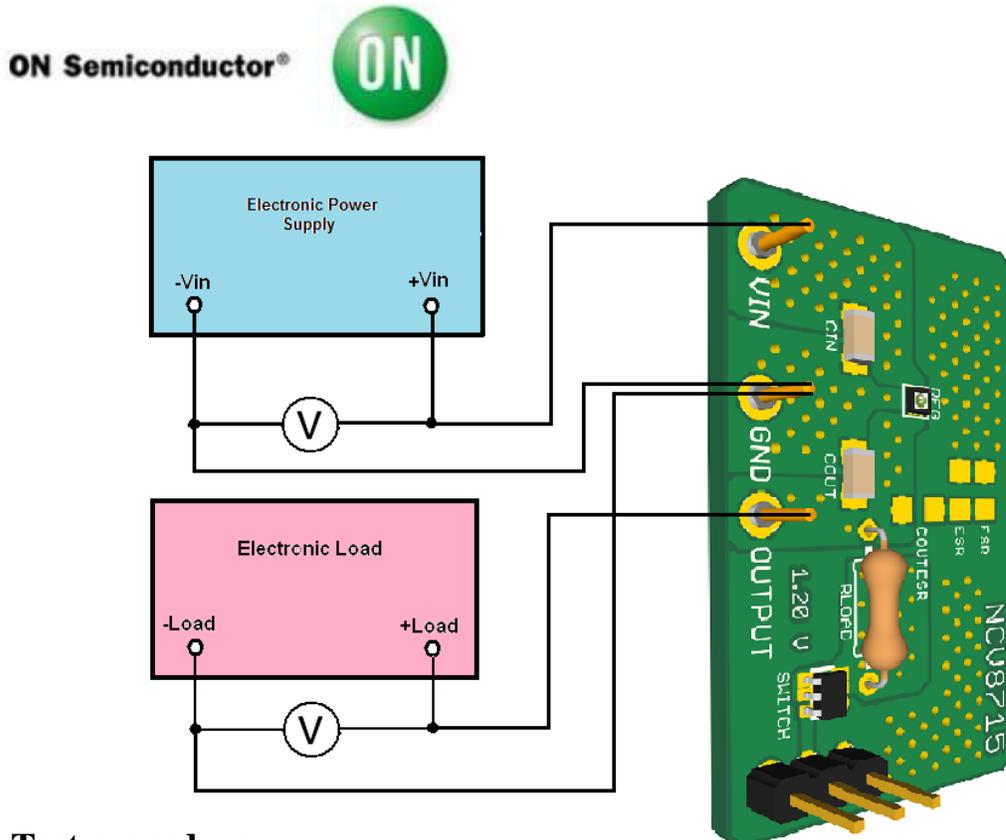


## Test Procedure for NCV8715 XDFN6 LDO Demoboard



### Test procedure:

1. Check the Voltage Version (It is mentioned next to OUTPUT terminal on the demoboard.)
2. Connect the test setup as shown Figure above
3. Apply an input voltage  $V_{in} = 6.0 \text{ V}$
4. Apply  $I_{out} = 0 \text{ mA}$  load.
5. Check that  $V_{out}$  is:
  - 1.2 V +/-2% for 1.2 V voltage version**
  - 1.5 V +/-2% for 1.5 V voltage version**
  - 1.8 V +/-2% for 1.8 V voltage version**
  - 2.5 V +/-2% for 2.5 V voltage version**
  - 3.0 V +/-2% for 3.0 V voltage version**
  - 3.3 V +/-2% for 3.3 V voltage version**
  - 5.0 V +/-2% for 5.0 V voltage version**
6. Increase  $I_{out}$  up to **50 mA**

7. Check that  $V_{out}$  is :
- 1.2 V +/-2% for 1.2 V voltage version**
  - 1.5 V +/-2% for 1.5 V voltage version**
  - 1.8 V +/-2% for 1.8 V voltage version**
  - 2.5 V +/-2% for 2.5 V voltage version**
  - 3.0 V +/-2% for 3.0 V voltage version**
  - 3.3 V +/-2% for 3.3 V voltage version**
  - 5.0 V +/-2% for 5.0 V voltage version**

8. Increase  $V_{in}$  up to **24.0 V** and decrease the load in accordance with **Safe Operation Area**

9. Power down the Load

10. Power down the  $V_{cc}$

11. End of test

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