## Test Procedure for the NCP1063BUCKGEVB Evaluation Board

## Necessary Equipment:

- 1 Current limited 90 ~ 264Vrms AC source (current limited to avoid board destruction in case of a defective part) (e.g. KIKUSUI PCR500M)
- 1 Power Meter (e.g. YOKOGAWA WT210)
- 1 DC Volt-Meter able to measure up to 50V DC. (e.g. Agilent 34401A)
- 1 DC Amp-Meter able to measure up to 5A DC. (e.g. Agilent 34401A)
- 1 DC Electronic Load 0 60A (e.g. Chroma 6312A with 63115A Module )

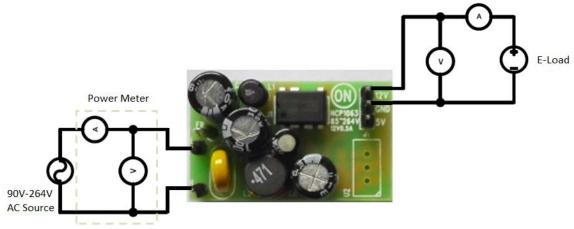


Figure 1: Test Setup for Buck Convertor

## **Test Procedure (Buck convertor):**

- 1. Connect the test setup as shown in Figure 1.
- 2. Apply an input voltage, Uin =90 264Vac
- 3. Apply Iout(load) = 0A
- 4. Check that Uout is no higher than 15V
- 5. Increate Iout(load) load to: 350 mA
- 6. Check that Vout is 12V
- 7. Power down the load
- 8. Power down Vin
- 9. End of test