

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)

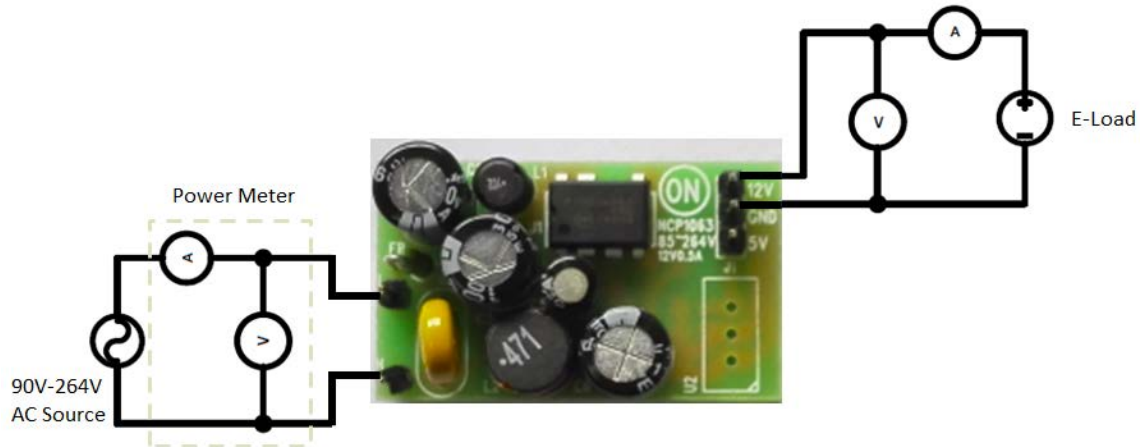


Figure 1: Test Setup for Buck Converter

Test Procedure (Buck convertor):

1. Connect the test setup as shown in Figure 1.
2. Apply an input voltage, $U_{in} = 90 - 264V_{ac}$
3. Apply $I_{out}(\text{load}) = 0A$
4. Check that U_{out} is no higher than 15V
5. Increase $I_{out}(\text{load})$ load to: 350 mA
6. Check that V_{out} is 12V
7. Power down the load
8. Power down V_{in}
9. End of test