

Test Procedure for the NCP1012 Evaluation Board

ON Semiconductor



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Plug NCP1012AP133 into socket of the board

Use **isolated** regulated DC source 300V and AC 230V for the test as follows:

- 1) Set DC source to 100V, current limit 0.05A
- 2) Connect NCP1012 input to DC source
- 3) You may measure current consumption of around 3.5mA
- 4) Measure output voltage – $12V \pm 5\%$
- 5) Set DC voltage to 300V
- 6) You may measure consumption of around 2mA
- 7) Switch OFF the power source
- 8) Connect 47R 5W resistor to the output
- 9) Switch ON the power
- 10) Current consumption may increase to approximately 15mA
- 11) Measure output voltage – remain 12V
- 12) Switch OFF the DC power.
- 13) Connect to 230V AC power and switch ON
- 14) Measure output voltage – remain 12V

WARNING! All connection and disconnections of the input voltage do ONLY with power source switched OFF. The voltage is dangerous for health.