



develop

PSU test report

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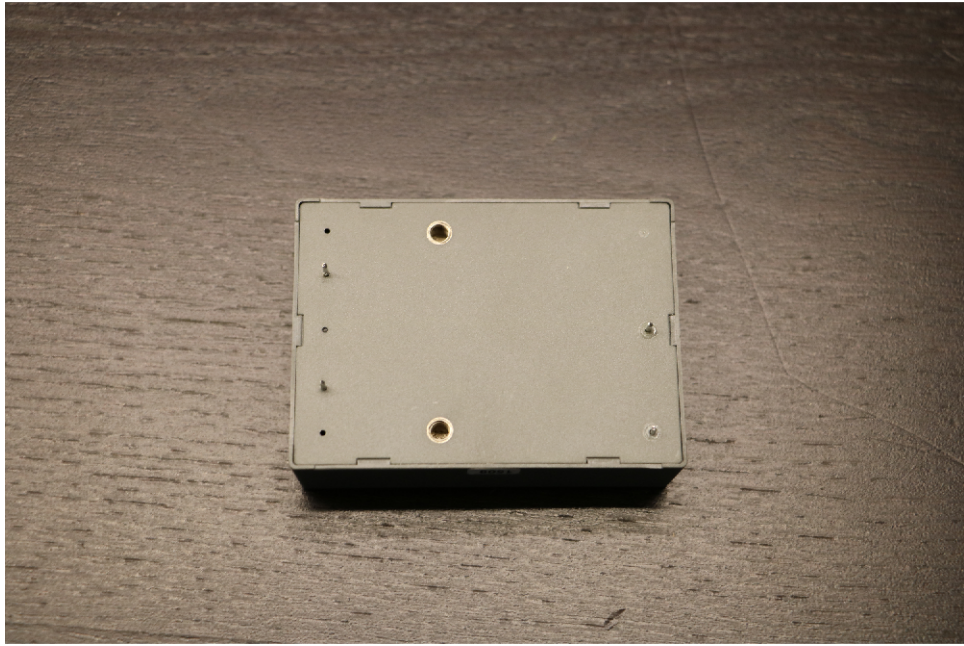
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2 General information

Testing the following device

Manufacturer: Traco
Device name: TMP15112
Serial number: 1
Nominal voltage: 12.000V
Nominal current: 1.250A
Tester: Bernhard Woerndl-Aichriedler <bwa@xdevelop.at>
Start time: 13-Jul-2016 15:56:11



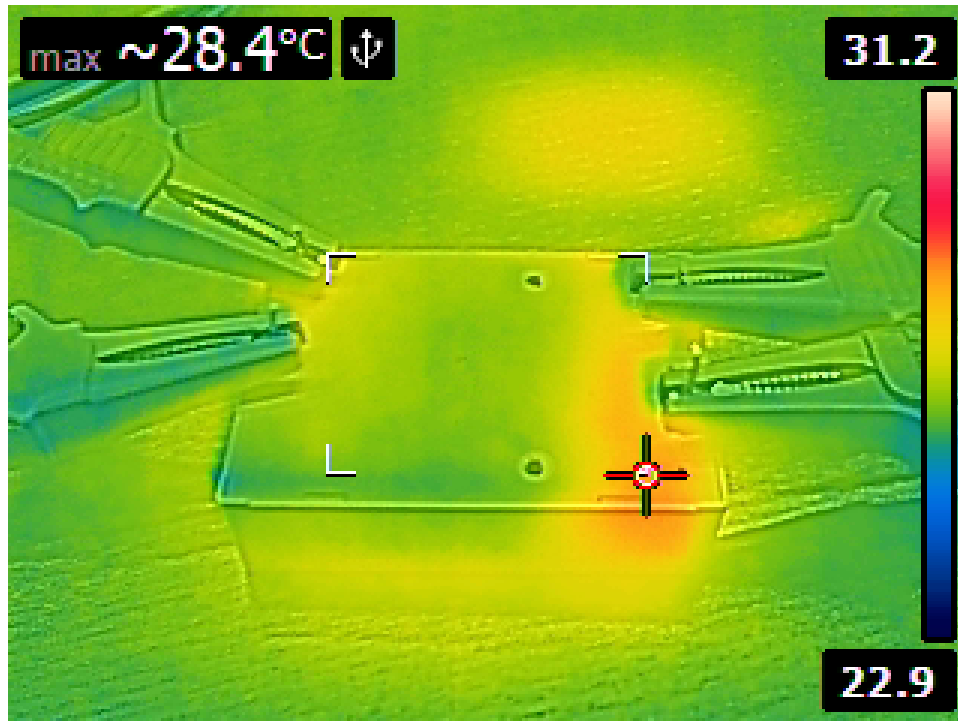


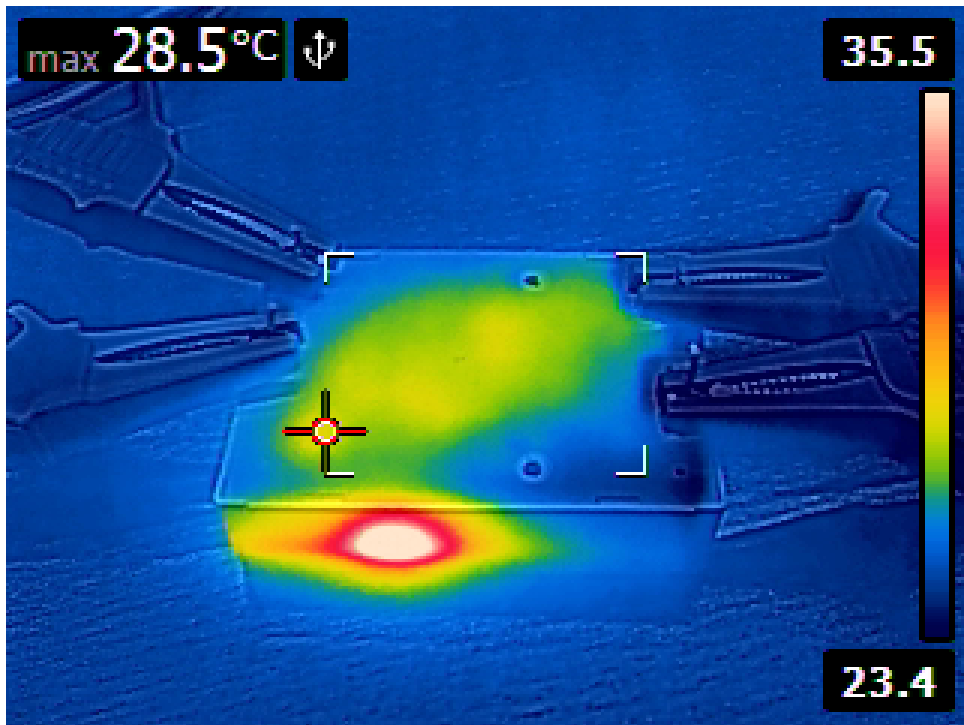
3 Point of operation

The test has been conducted with the following conditions

Voltage/Frequency: 250V-50Hz

Ambient Temperature: 29.18C





4 Standby power consumption

Voltage: 250.69V

Frequency: 50Hz

Current: 0.013213A

P active: 0.492W

P apparent: 3.312VA

P reactive: 3.276VAR

P factor: 0.149

Output voltage: 12.011V



5 Load testing

Characteristics

Voltage: 250.68V

Frequency: 50Hz

Loads: 0.000A to 1.250A

Minimum output voltage: 11.998V

Maximum output voltage: 12.011V

Regulation error absolute: -0.002V/+0.011V

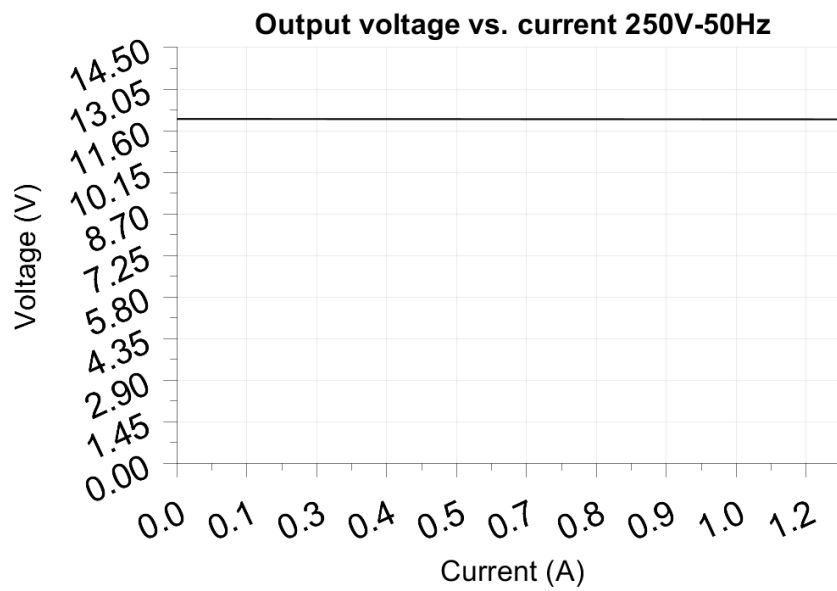
Regulation error relative: -0.0%/+0.1%

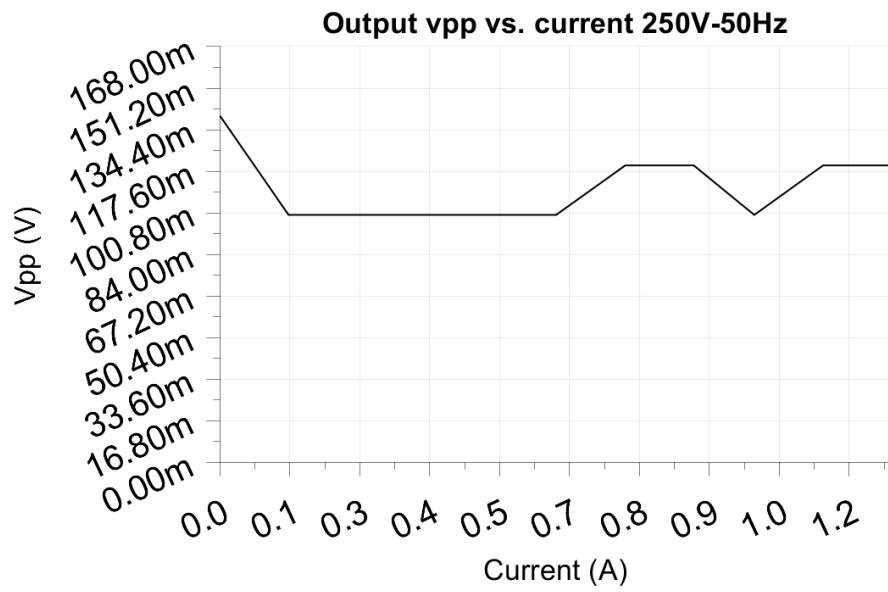
Vpp ripple&noise absolute: 0.140V

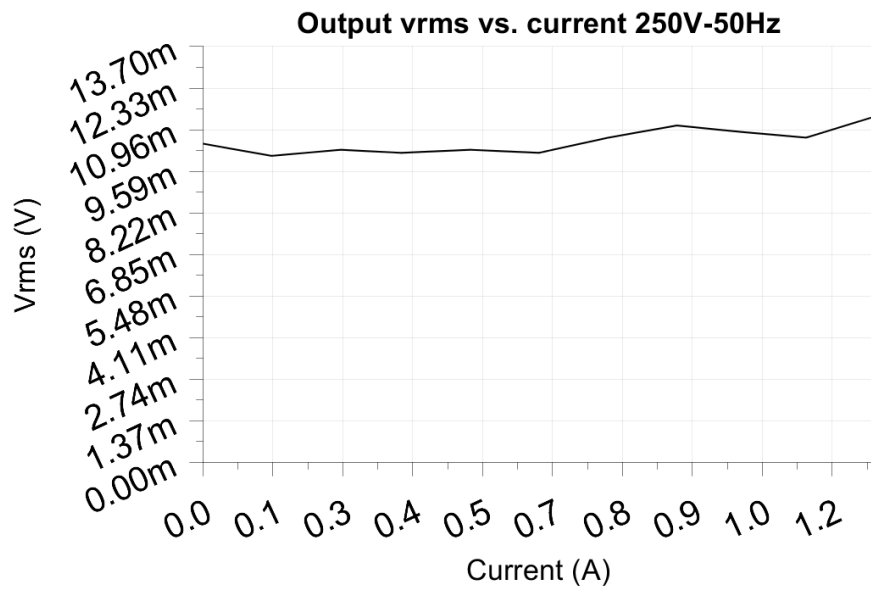
Vpp ripple&noise relative: 1.2%

RMS ripple&noise absolute: 0.011V

RMS ripple&noise relative: 0.1%







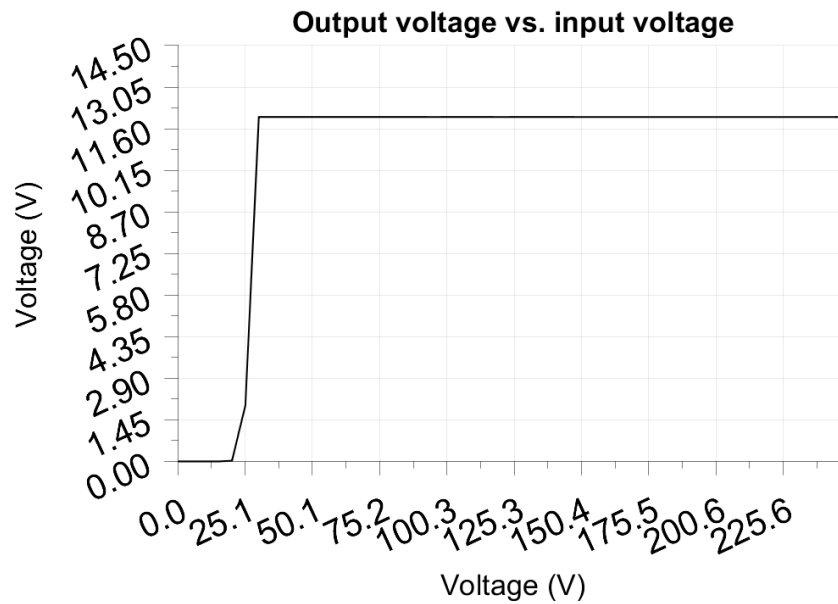
6 Turn on voltage

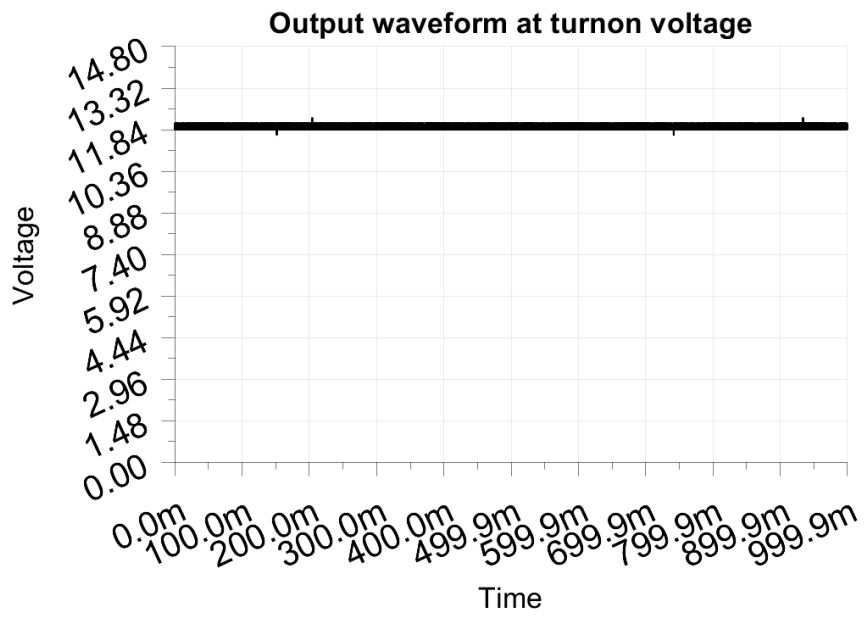
Testing when the PSU enables it's output

Test load: 0.125A
Test Frequency: 50Hz
Threshold: 9.000V

Turn-on voltage: 30.00V

Output voltage: 12.009V





7 Conducted EMI

No EMI test results

8 Overload testing

No overload test results