



develop

PSU test report

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2 General information

Testing the following device

Manufacturer: Vigortronix
Device name: VTX-214-015-112
Serial number: 1
Nominal voltage: 12.000V
Nominal current: 1.250A
Tester: Bernhard Woerndl-Aichriedler <bwa@xdevelop.at>
Start time: 13-Jul-2016 14:39:04



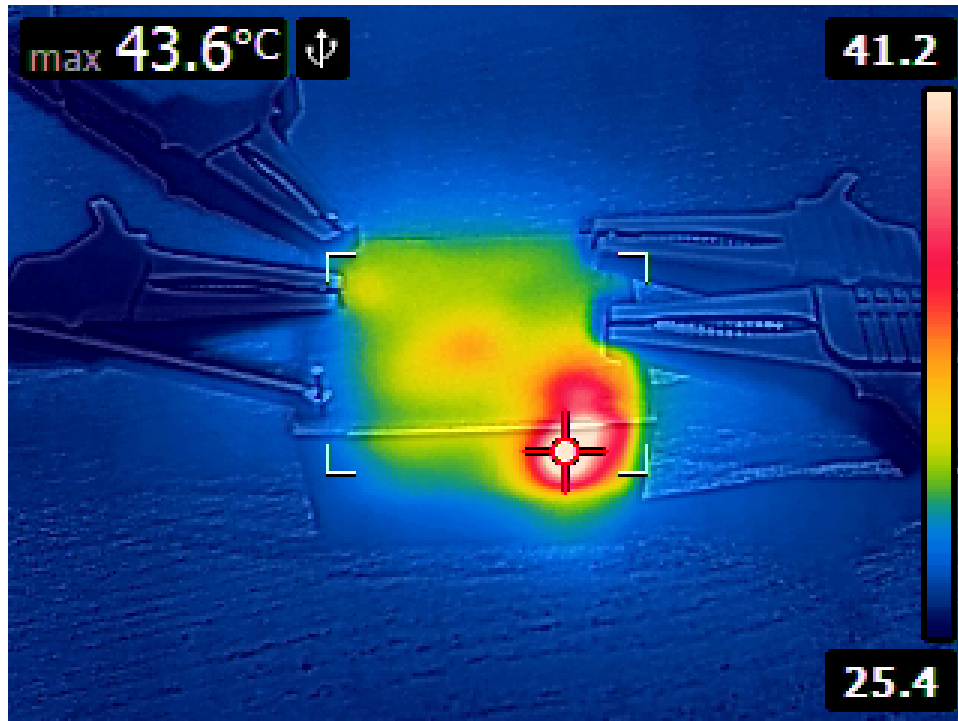


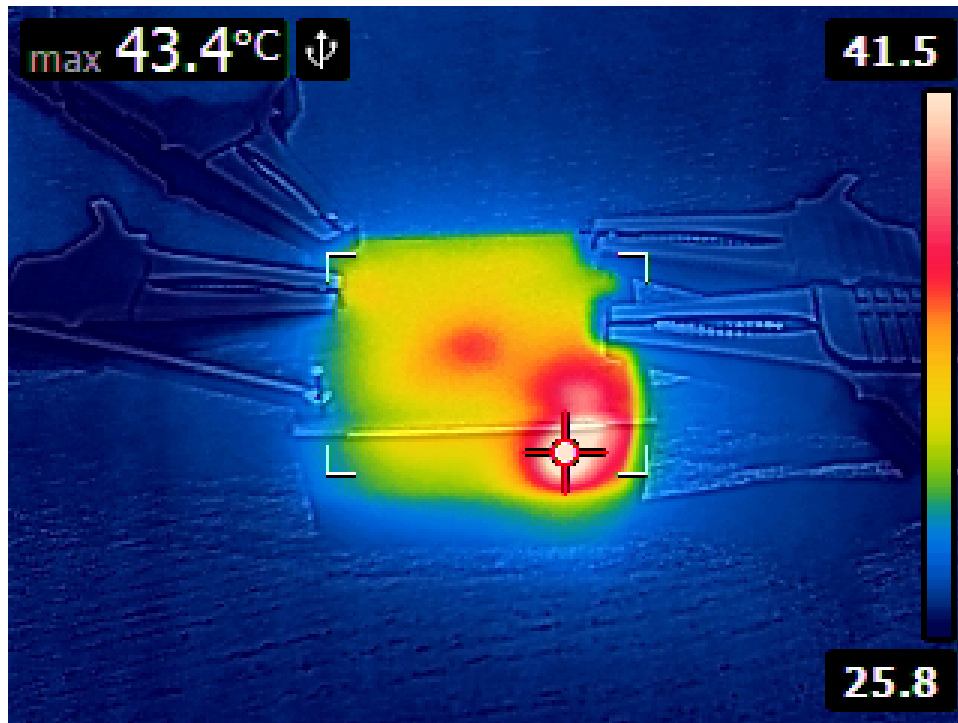
3 Point of operation

The test has been conducted with the following conditions

Voltage/Frequency: 250V-50Hz

Ambient Temperature: 29.64C





4 Standby power consumption

Voltage: 250.67V

Frequency: 50Hz

Current: 0.026626A

P active: 0.267W

P apparent: 6.675VA

P reactive: 6.669VAR

P factor: 0.040

Output voltage: 12.112V



5 Load testing

Characteristics

Voltage: 250.69V

Frequency: 50Hz

Loads: 0.000A to 1.250A

Minimum output voltage: 11.840V

Maximum output voltage: 12.109V

Regulation error absolute: -0.160V/+0.109V

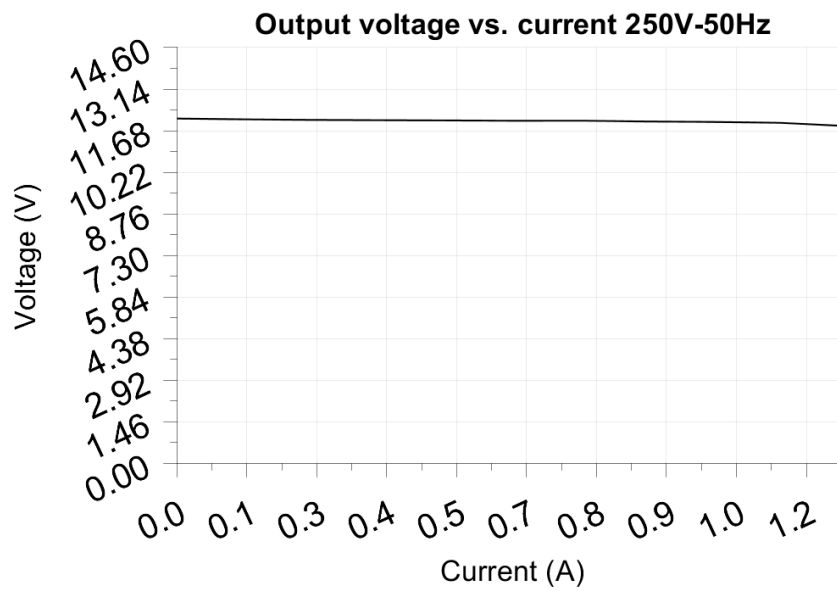
Regulation error relative: -1.3%/+0.9%

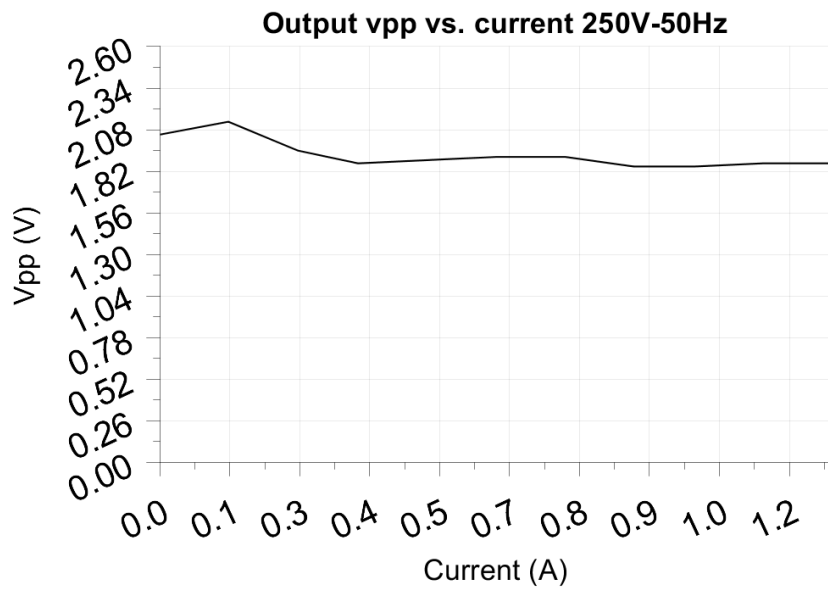
Vpp ripple&noise absolute: 2.130V

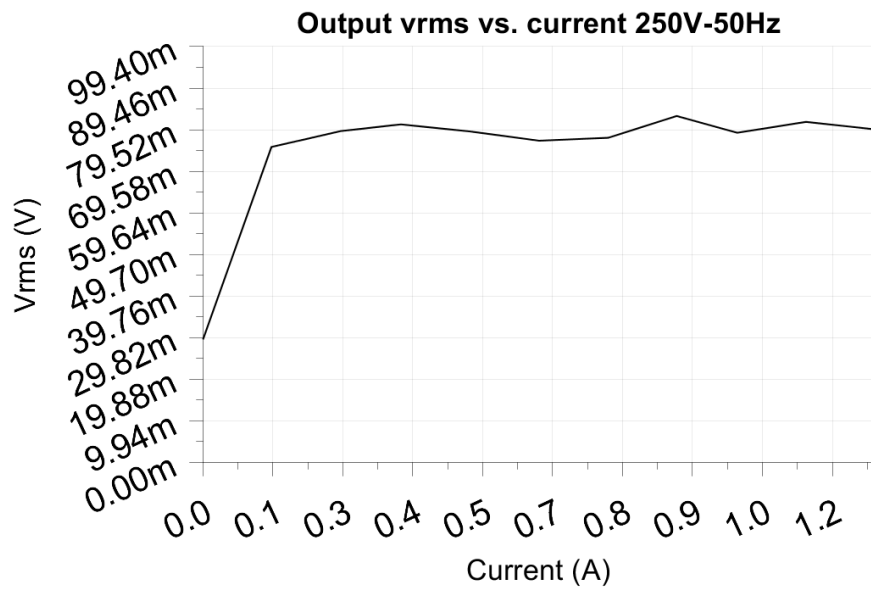
Vpp ripple&noise relative: 17.8%

RMS ripple&noise absolute: 0.083V

RMS ripple&noise relative: 0.7%







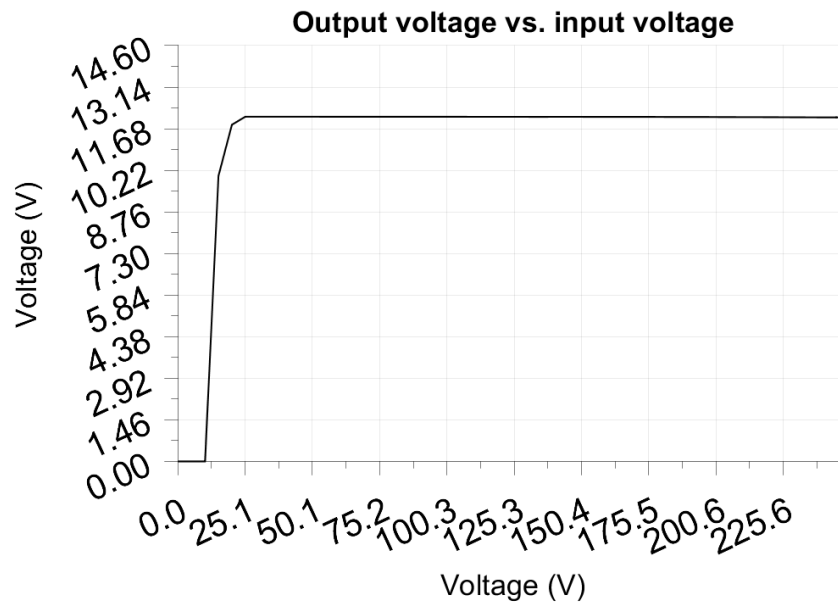
6 Turn on voltage

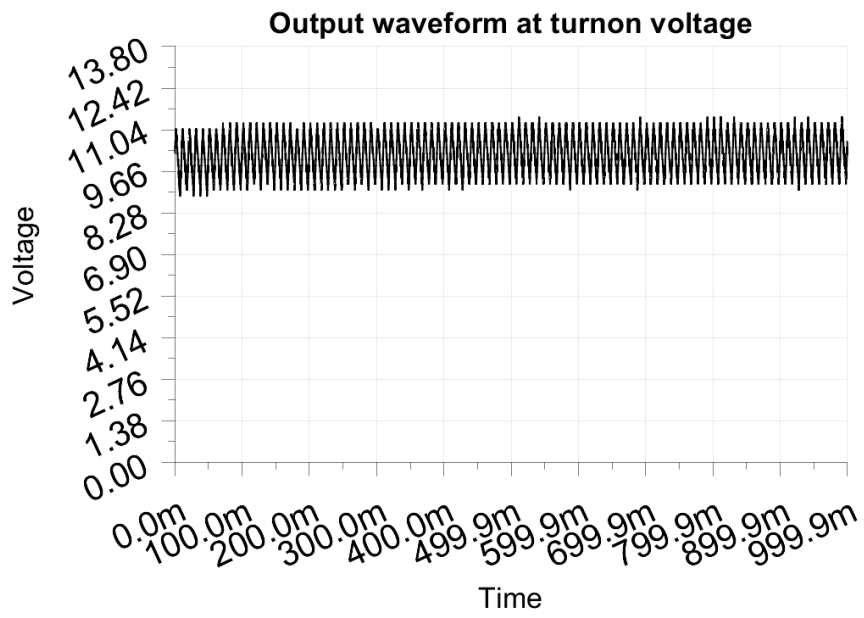
Testing when the PSU enables it's output

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

Turn-on voltage: 15.00V

Output voltage: 10.025V





7 Conducted EMI

No EMI test results

8 Overload testing

No overload test results