non-isolated ac-dc switching mode power supply

ac-dc driver

- 12V fan supply
- CV 12V power supply
- long life
- built in EMC class A filter

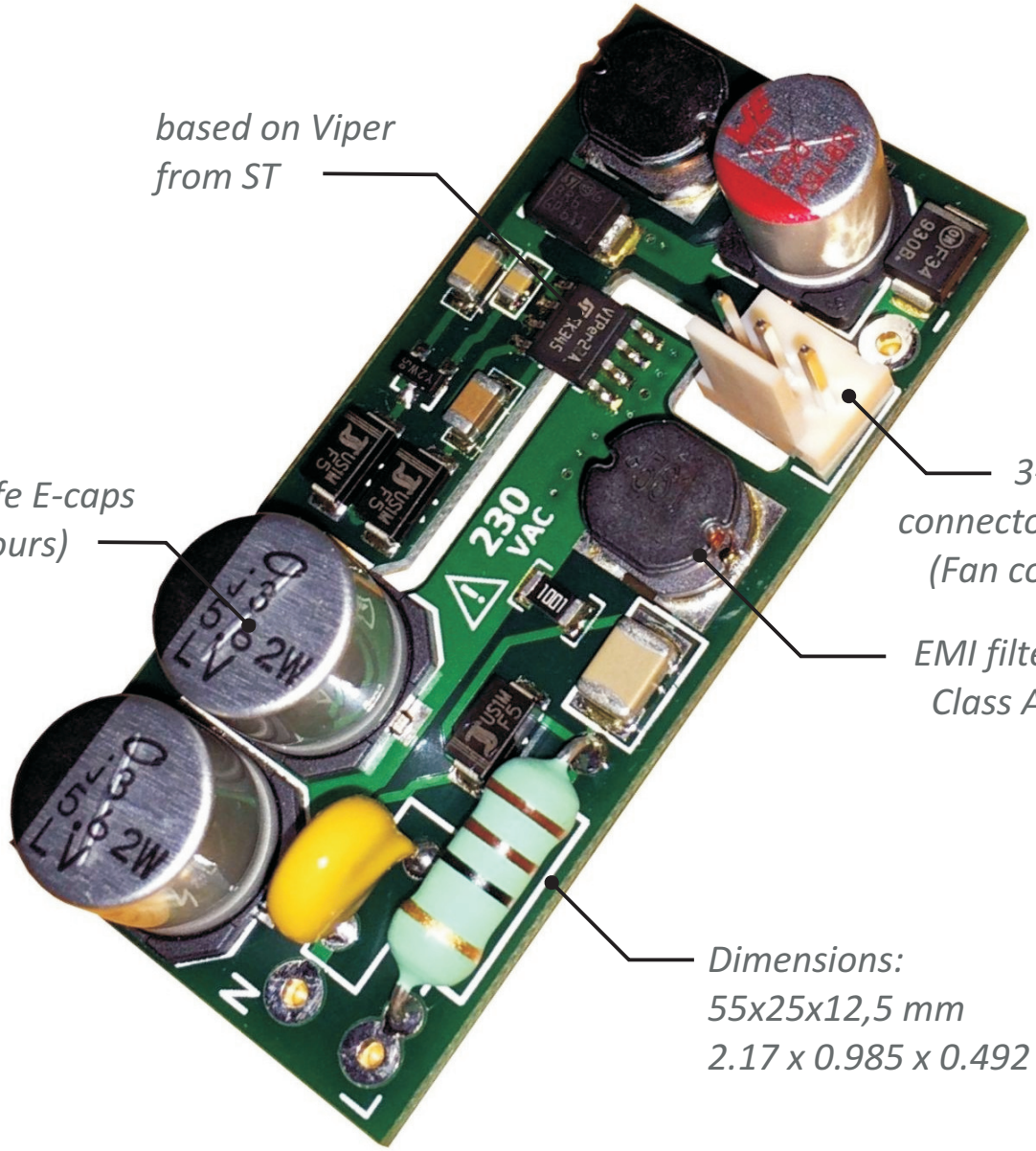
Futuro Lighting *design*

2016

Rev.0.1

FLPS4-NI

non-isolated ac-dc smps



Specifications:
Vin = 190-265 VAC
Vout = 12 VDC
I out = 350 mA max
Output power = 4 W max
EMC Class A

Ta = -30 to +50 °C

No-load power consum.: < 200 mW
Efficiency: typical 75%
(refer to efficiency chart)

Connection:
Input: L, N solder terminals
Output: 2,54mm rast. connector
AC L internaly connected to -Vout

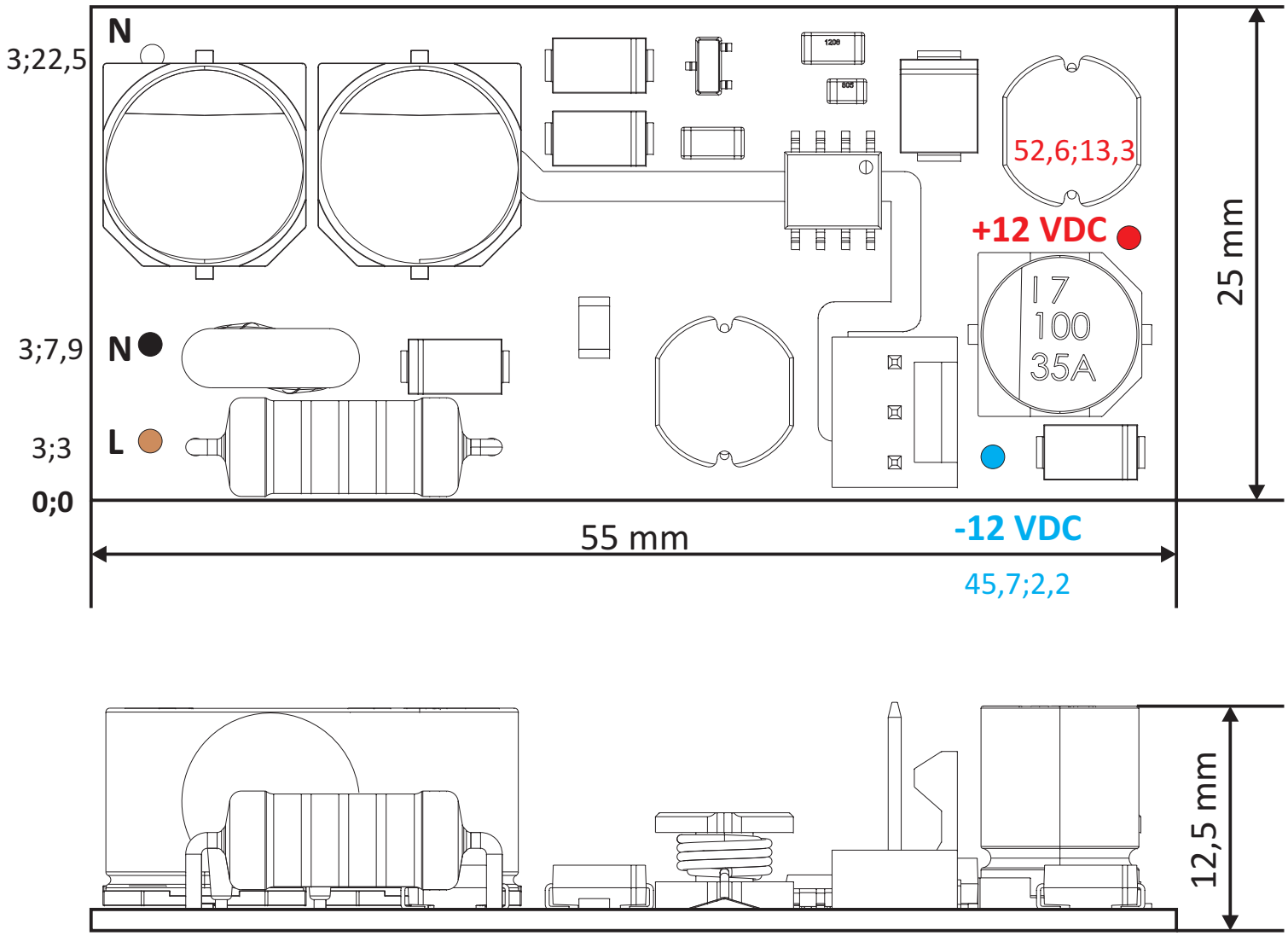
Built in Protection:
Over current
Over temperature
Over output voltage

Weight: TBD

Futuro Lighting design

FLPS4-NI

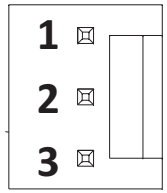
Specification



Input AC connection
L, N terminals
(hole: 1,2 mm)

Output connector

Pin 1	- 12 VDC
Pin 2	+ 12 VCD
Pin 3	NC



Output connection
additional solder terminals
(hole 1,2mm)

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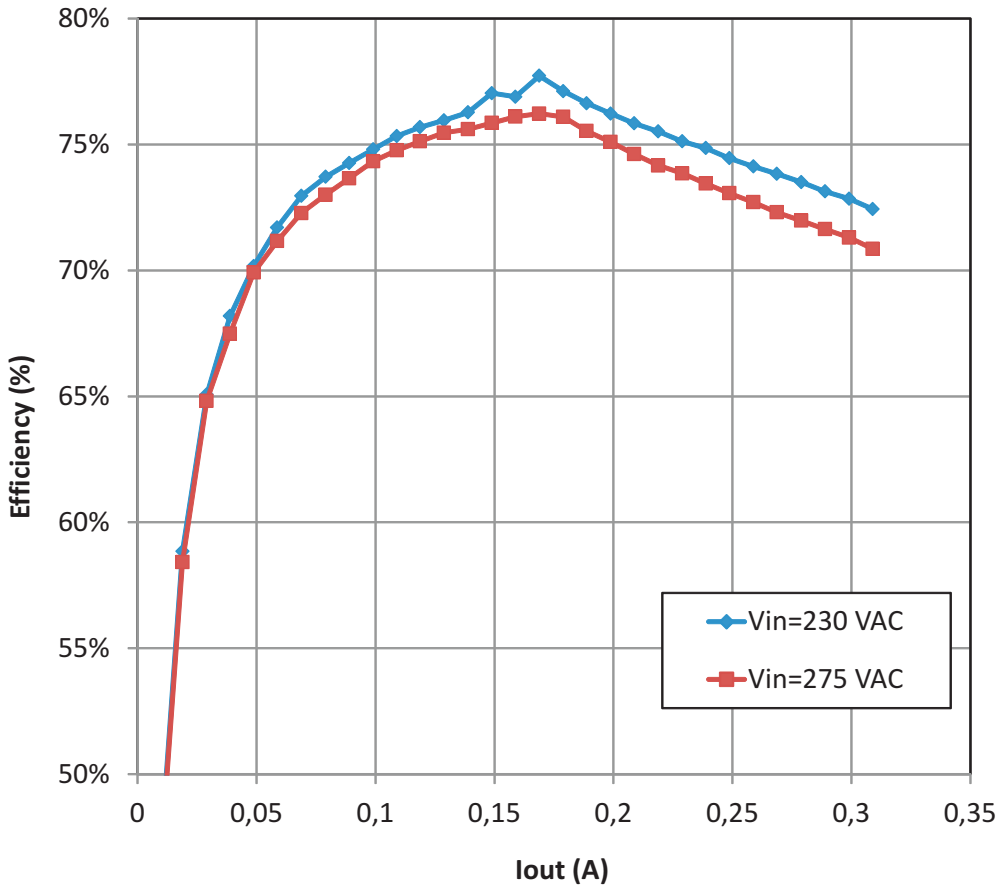
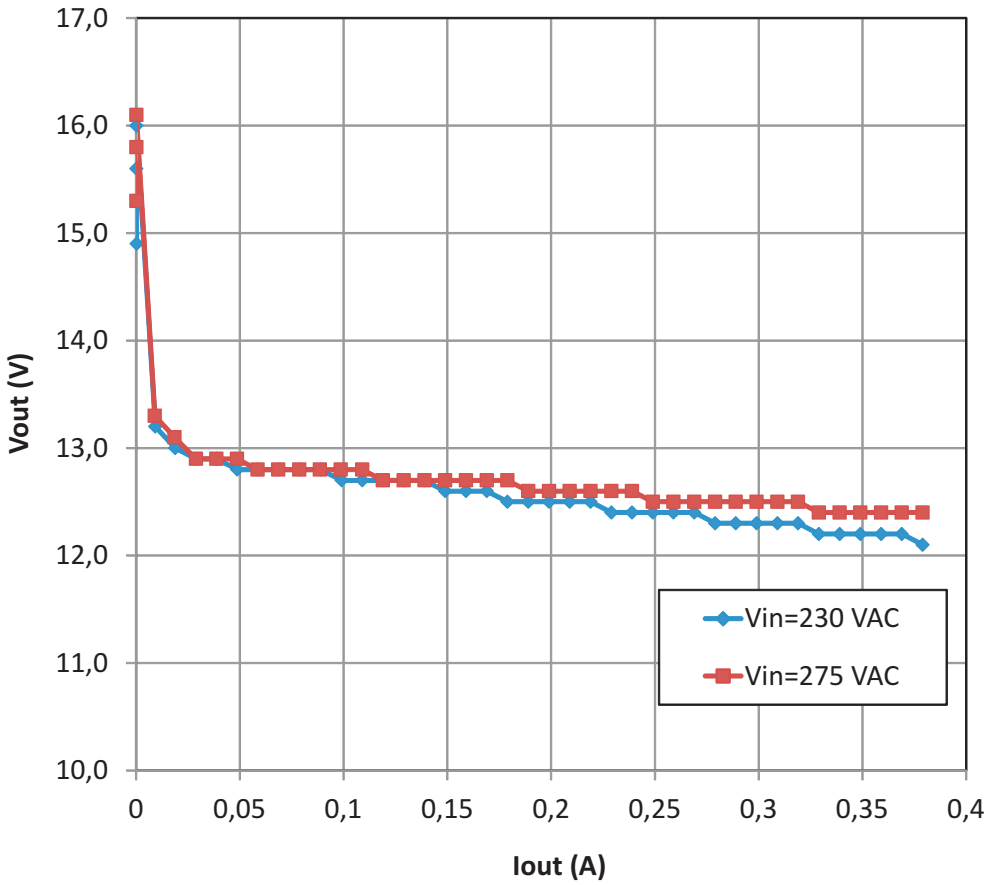
Efficiency, load measurements

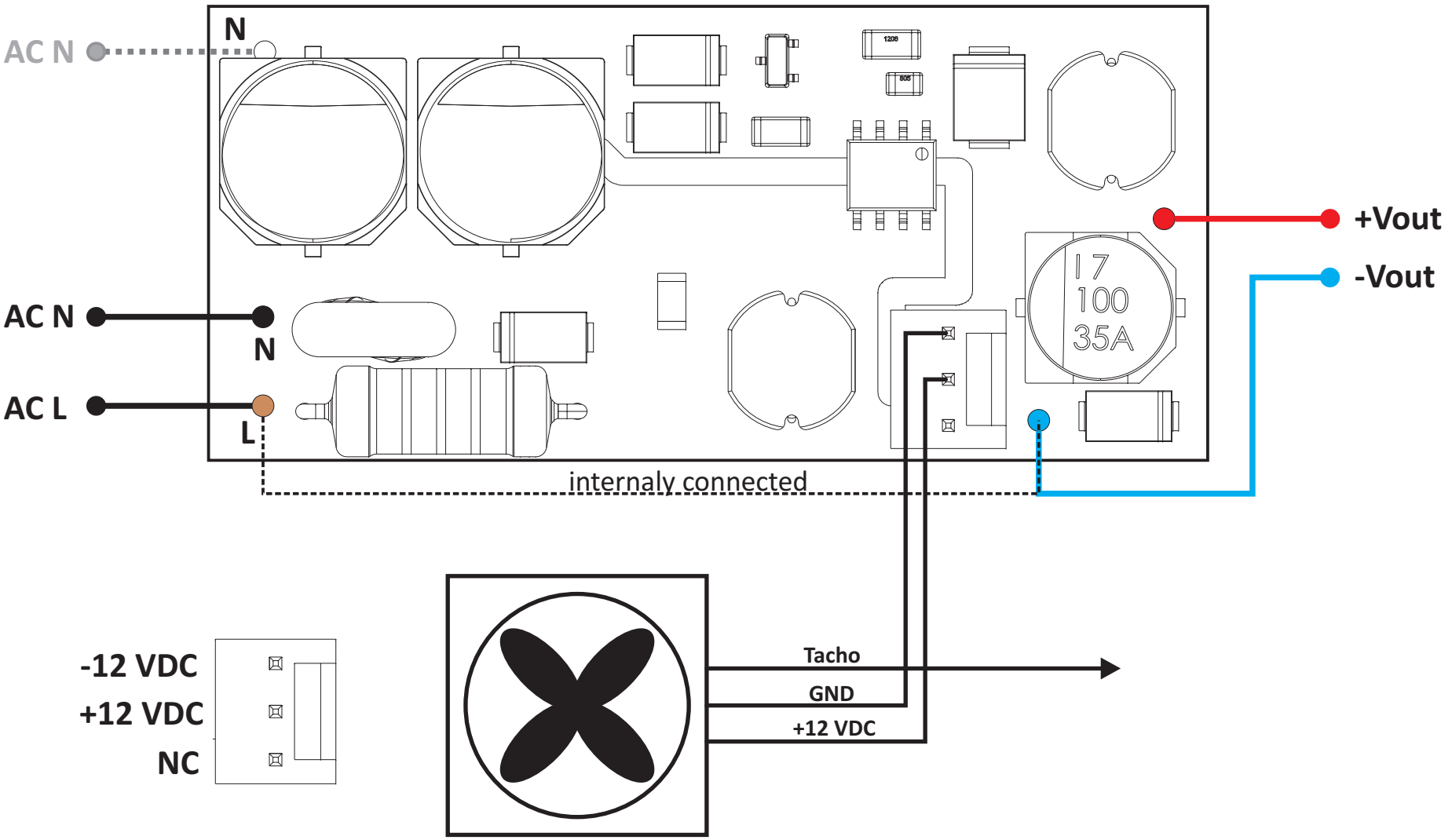




Futuro Lighting design

FLPS4-NI

Connection



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