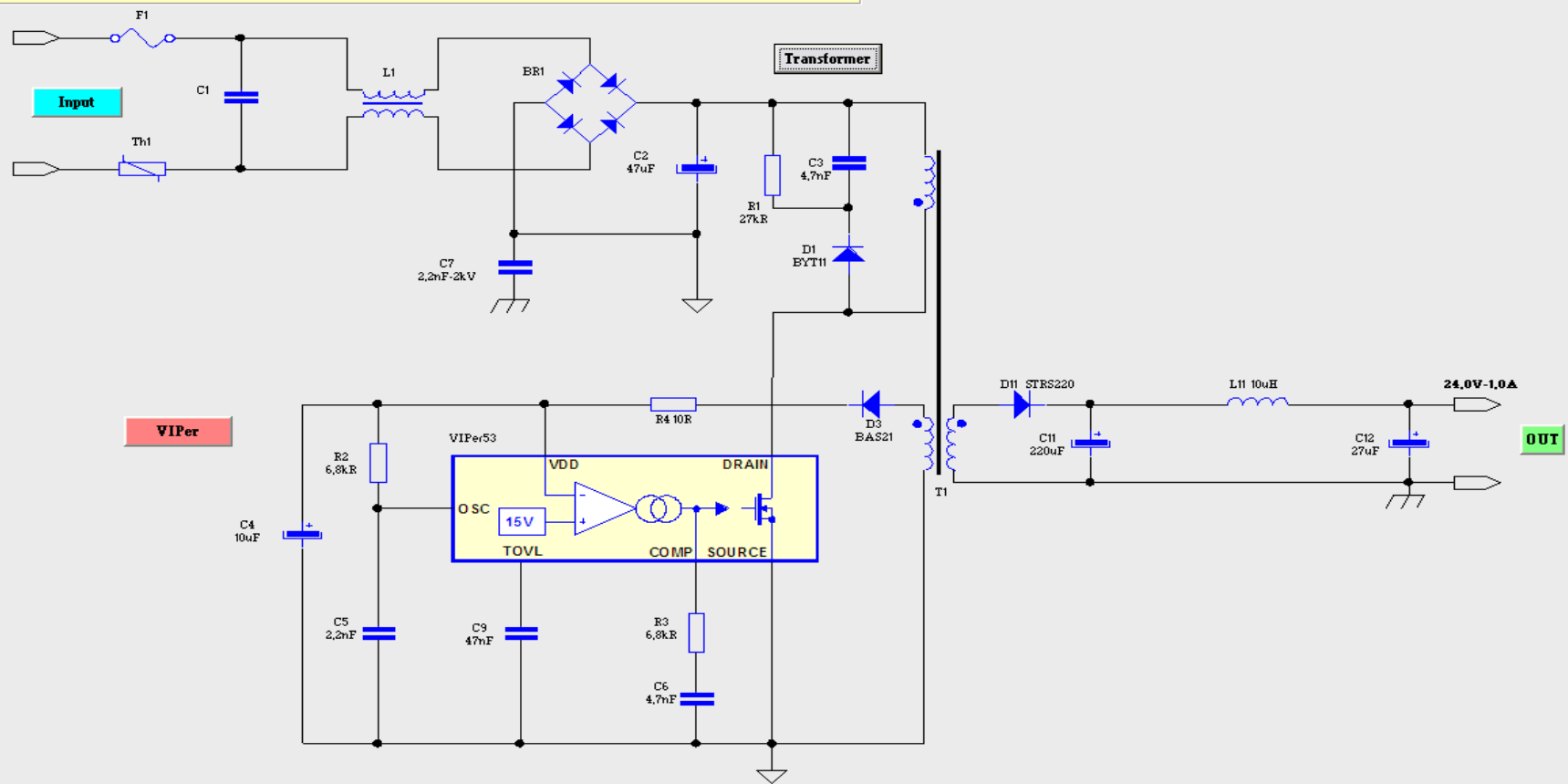


Quick Circuit Datas

Efficiency : 90% @ 25°C	Output Power : 24W
Losses	I_{peak} Primary : 1.0A
Output : 807mW	Primary Inductance: 545uH
VIPer at 45°C : 447mW	Continuous Mode : @ Low Line
Clamper : 1.0W	Duty Cycle at V_{min} : 49%
Transformer : 251mW	

Project Name :



Transformer Design

Transformer Parameters

Primary Inductance mH
 User Defined

Leakage Inductance %

Primary Capacitance pF

Core Selection Criteria

	Target	Actual
Temperature Increase	40,0 °C	12,8 °C
Dissipated Power	2,0 %	1,0 %

Winding Turns

Input : Aux :

Force Input Turns

OUT : 20

Core Size

Geometry : E20/10/6
E Serie

Fixed

Ae : 33,5 mm²

Le : 44,9 mm

Ve : 1500,0 mm³

Lm : 42,8 mm

Window Area : 35,0 mm²

Power Losses

Core Losses : 68mW

Winding Losses : 183mW

Total Losses : 251mW

Transformer Usage

Window Factor Utilisation

Air Gap : 0,20 mm

Cont Ratio : 1,35

Bsat Margin : %

Flux Density : 253mT

Core Material

Type : N87
Supplier : SIEMENS

Fixed

Bsat : 360mT

Wire Selection

Parallel Conductors

Single Wire
 // Wires
 Single Diameter

AWG Details : Input

Ø: 405um Iso: 451um
 Rdc=391mR Rac=391mR

Transformer Outlook