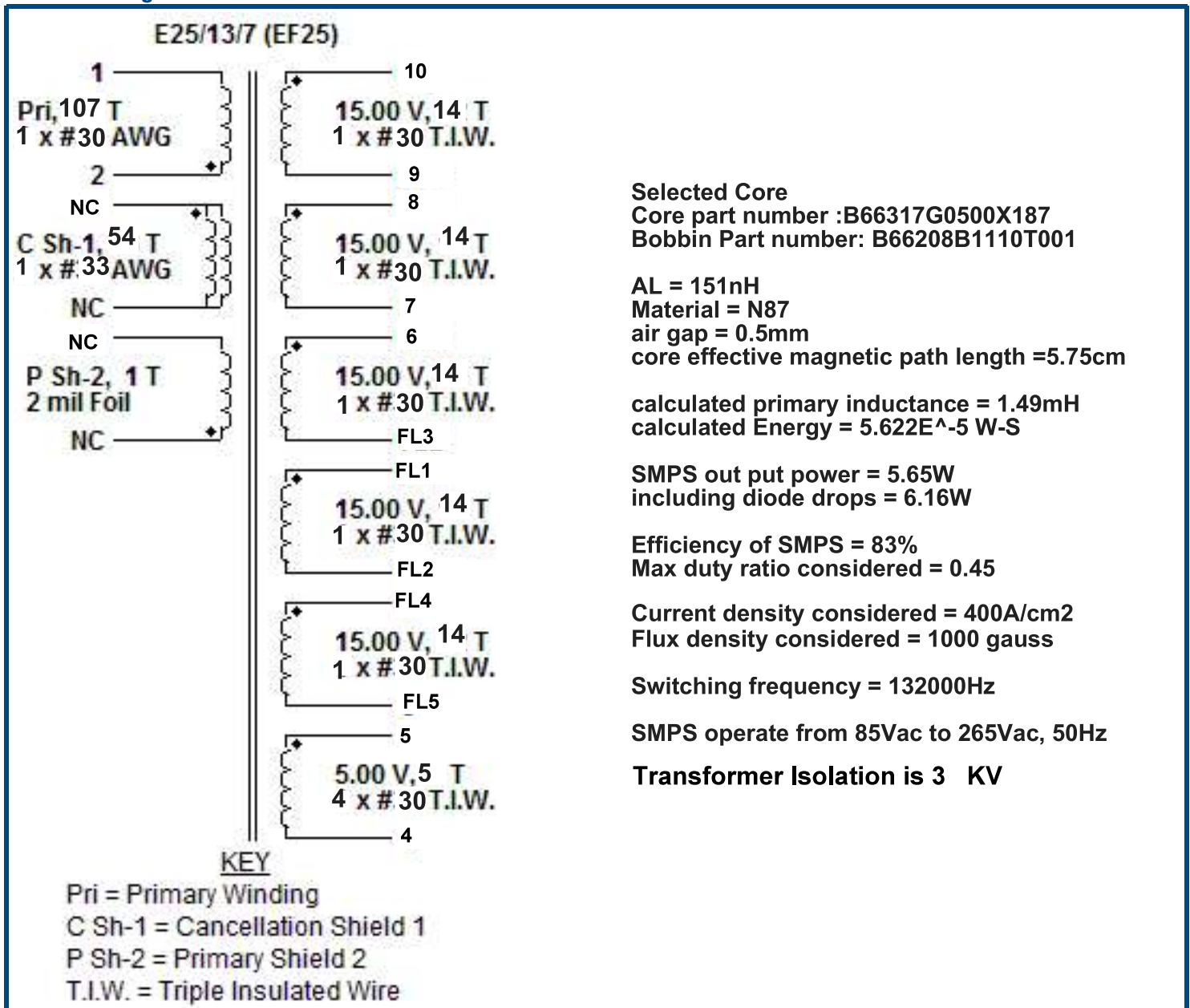


## Electrical Diagram



**Selected Core**  
 Core part number :B66317G0500X187  
 Bobbin Part number: B66208B1110T001

AL = 151nH  
 Material = N87  
 air gap = 0.5mm  
 core effective magnetic path length =5.75cm

calculated primary inductance = 1.49mH  
 calculated Energy = 5.622E<sup>-5</sup> W-S

SMPS out put power = 5.65W  
 including diode drops = 6.16W

Efficiency of SMPS = 83%  
 Max duty ratio considered = 0.45

Current density considered = 400A/cm<sup>2</sup>  
 Flux density considered = 1000 gauss

Switching frequency = 132000Hz

SMPS operate from 85Vac to 265Vac, 50Hz

Transformer Isolation is 3 KV

## Mechanical Diagram