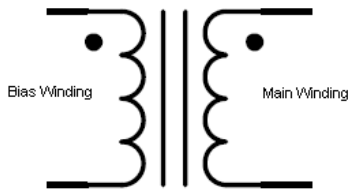


Schematic Symbol:**Turns Ratio:**

Main : Bias = 1 : 2.5

Inductance (main winding):

2uH +/-20% at 30A

Current Ratings:

Main winding needs to be able to handle 31A(rms) and 36A(peak)

Bias winding will only supply around 20mA.

Topology:

Forward converter with an input range of 36V to 72V and a 4.5:1 transformer turns ratio. Output voltage is 5V at 30A.

Switching Frequency:

200kHz +/-15kHz

Footprint:

Through-hole is acceptable. Design for lowest cost. 1.2" maximum height.

Isolation:

1500V

Temperature Rise:

40 deg C rise, 100 LFM

Schematic:

See separate document (PMP2214_REVA.PDF).