**Customer Request Form – SMPS Transformer**

Switching Frequency:      KHz

Switching Topology:

1. [ ] Flyback ([ ] Continuous Mode [ ] Discontinuous Mode)
2. [ ] Forward Converter [ ] Push Pull
3. [ ] Gate Drive
4. [ ] Full Bridge [ ] Half Bridge [ ] Phase Shift Full Bridge
5. [ ] Other:

Electrical Specifications (Not all may apply for topology):

Primary:

1. Input Voltage:      Vdc Min,      Vdc Nom,      Vdc Max
2. Inductance:      µH Min,      µH Nom,      µH Max [ ] N/A
3. Leakage Inductance:      µH Max [ ] N/A
4. Duty Cycle:       % Max
5. Center Tap: [ ] Yes or [ ] No

Output Secondaries:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | S1 | S2 | S3 | S4 | S5 | Aux (FB) |
| Voltage (Vdc) |       |       |       |       |       |       |
| Current (Arms) |       |       |       |       |       |       |
| Diode Drop (Vdc) |       |       |       |       |       |       |
| Center Tap (Yes/No) |       |       |       |       |       |       |

Total Output Power:      Watts

Efficiency:      %

Ambient Temperature:      ◦C
Max Temperature Rise:      ◦C

IC Manufacturer Part Number:

Other Comments:

Mechanical Specifications:

1. Shape:

[ ]  Toroidal

[ ]  EE

[ ]  EFD

[ ]  EP

[ ]  ER

[ ]  Planar

[ ]  Pot

[ ]  PQ

[ ]  RM

[ ]  UU

1. Max Dimensions: L:      mm, W:     mm, H:      mm
2. Max Weight:      Kgs
3. Electrical Connection: [ ]  SMD [ ]  through hole [ ]  flying leads [ ]  Other:
4. Lead Length:      mm
5. Mounting Bracket: [ ]  Yes [ ]  No
6. [ ]  Thermal Potting [ ]  Fully Encapsulated [ ]  Varnish [ ]  Other:
7. Any Cooling (heat sink, convection, liquid, or other):

Other Comments:

Safety:

1. UL, Military, Medical, Telecom or Automotive Standards:
2. Hi-pot Requirement (Input to Output):       [ ] Vac or [ ] Vdc
3. High Voltage Insulation Requirement: [ ] Basic [ ] Supplementary [ ] Reinforced
4. Required UL EIS: [ ] Yes,      °C [ ] No
5. Required Materials Temperature Class:      °C Min
6. Other Comments:

Any other information not provided above, such as graphs, electrical data, or application notes, which may be useful in providing an optimal design: