**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: