

### 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:

Primary:

1. Input Voltage (Vdc):
  - a. Minimum:
  - b. Nominal:
  - c. Maximum:
2. Inductance ( $\mu$ H):
  - a. Minimum:
  - b. Nominal:
  - c. Maximum:
3. Leakage Inductance ( $\mu$ H Max):
4. Duty Cycle (% Max):
5. Center Tap:  Yes or  No
6. Turns Ratio:

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 ( $^{\circ}$ C):

Max Temperature Rise ( $^{\circ}$ C):

IC Manufacturer Part Number:

Other Comments:

Mechanical Specifications:

1. Shape:  
 Toroidal                       EP                       Pot                       UU  
 EE                                   ER                       PQ  
 EFD                                 Planar                       RM
2. Max Dimensions LxWxH (mm):
3. Max Weight (Kgs):
4. Electrical Connection:  SMD     through hole     flying leads     Other:
5. Lead Length (mm):
6. Mounting Bracket:  Yes     No
7.  Thermal Potting     Fully Encapsulated     Varnish     Other:
8. 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     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: