

Indicates required field

# Power Transformer Design Worksheet

Name: \_\_\_\_\_ Company: \_\_\_\_\_

Street address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Postal code: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Specific application for this product: \_\_\_\_\_

Prototype quantity: \_\_\_\_\_ Date needed: \_\_\_\_\_

Projected annual quantity: \_\_\_\_\_ Budgetary target price (USD): \$ \_\_\_\_\_

## Topology

- Flyback     Continuous     Discontinuous  
 Forward converter     Two-switch forward     Active clamp forward     Push pull  
 Full bridge     Half bridge    Other \_\_\_\_\_

## Electrical

### Primary

Switching frequency (kHz): \_\_\_\_\_  
 Input voltage (V):    Min \_\_\_\_\_    Nom \_\_\_\_\_    Max \_\_\_\_\_  
 Input current (A):    \_\_\_\_\_     Peak     RMS  
 Inductance (µH):    Min \_\_\_\_\_    Nom \_\_\_\_\_    Max \_\_\_\_\_  
 Duty cycle max (%): \_\_\_\_\_  
 Leakage inductance (µH):    Max \_\_\_\_\_

### Schematic

If you have a schematic or other design criteria, please attach it to the email when submitting this form.

### Secondary(ies)

	S1	S2	S3	S4	S5	S6
Voltage (V): <input type="checkbox"/> AC <input type="checkbox"/> DC	_____	_____	_____	_____	_____	_____
Current (A): <input type="checkbox"/> Peak <input type="checkbox"/> RMS	_____	_____	_____	_____	_____	_____
DC Resistance (Ohms):	_____	_____	_____	_____	_____	_____
Diode drop (V):	_____	_____	_____	_____	_____	_____
Dielectric withstanding voltage (V): _____ <input type="checkbox"/> DC <input type="checkbox"/> RMS    Time (seconds): _____						
Temperature rise, maximum (°C): _____						
Ambient temperature range (°C): _____ to _____						

## Physical

Mounting type:  Surface mount     Through hole  
 Maximum size (mm):    Length \_\_\_\_\_    Width \_\_\_\_\_    Height \_\_\_\_\_

## Other

Agency requirement:    IEC \_\_\_\_\_    UL \_\_\_\_\_    CSA \_\_\_\_\_    Other: \_\_\_\_\_  
 Insulation class:     Basic     Supplementary     Reinforced  
 Special testing conditions (altitude, accelerated life, etc.):  
 \_\_\_\_\_  
 \_\_\_\_\_

Additional information:

\_\_\_\_\_



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