

Indicates required field

DC-DC Transformer Design Worksheet

Name: _____ Company: _____

Street address: _____

City: _____ State: _____ Country: _____ Postal code: _____

Email: _____ Phone: _____ Fax: _____

General application for this product: _____

Prototype quantity: _____ Date needed: _____

Projected annual quantity: _____ Budgetary per piece 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 (Vdc): Min _____ Nom _____ Max _____
 Peak Input current (A): _____
 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):	_____	_____	_____	_____	_____	_____
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: Functional Basic Supplementary Reinforced
 Special testing conditions (altitude, accelerated life, etc.):

Additional information:



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