

Indicates required field

# DC-DC Transformer Design Worksheet

Name:  Company:

Street:

Topology General application for this product:

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

Electrical/  
Mechanical

## 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): Min  Max   
 Turns ratio (pri : sec1 : sec2 : sec3):

## Secondary(ies)

	S1	S2	S3	S4	S5	S6
Voltage (V):	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Current (A): <input type="checkbox"/> Peak <input type="checkbox"/> RMS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
DC Resistance (Ohms):	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Diode drop (V):	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## Specifications, Environmental and Physical Characteristics

Pri-to-Sec Isolation (V):   DC  RMS Time (seconds):   
 Sec-to-Sec Isolation (V):   DC  RMS Time (seconds):   
 Temperature rise, maximum (°C):   
 Ambient temperature range (°C):  to   
 Maximum size (mm): Length  Width  Height   
 Mounting type:  Surface mount  Through hole

## Schematic

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

Safety  
Requirement

Insulation class:  Functional  Basic  Reinforced  
 Working Voltage:  Pollution Degree:  Material Group:  I  II  III  
 Overvoltage Category:  I  II  III  IV  
 Altitude:  Creepage/Clearance (mm):   
 Agency requirement: IEC  UL  CSA  Other

Other

Automotive/Vehicle Application (Yes or No):  If Yes, ISO 26262 ASIL Level:  A  B  C  D  
 PCB with part to be washed:  PCB with part to be conformally coated:  
 Special testing conditions (altitude, accelerated life, etc.):

Additional information:



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