

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		

<b>Electrical/ Mechanical</b>	<b>Primary</b>	<b>Schematic</b>						
	Switching frequency (kHz):	If you have a schematic or other design criteria, please attach it to the email when submitting this form.						
	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):							
	<b>Secondary(ies)</b>		S1	S2	S3	S4	S5	S6
	Voltage (V):							
Current (A):	Peak	RMS						
DC Resistance (Ohms):								
Diode drop (V):								
<b>Specifications, Environmental and Physical Characteristics</b>								
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						

<b>Safety Requirement</b>	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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Document 318 Revised 05/15/24

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