Indicates required field

Inductor 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): $_____

Application

☐ Common mode choke ☐ Filter ☐ Other _____

☐ Buck ☐ Boost V_{IN} (V): _____ V_{OUT} (V): _____ I_{OUT} (A): _____

Frequency (kHz): _____

Electrical

Inductance (µH): _____ Tolerance (%): _____

DC resistance max (Ohms): _____

Current (A): _____ DC _____ AC ripple

Frequency range (kHz): _____ to _____

Attenuation (dB): _____

Dielectric withstanding voltage (V): ☐ DC ☐ AC Time (seconds): _____

Winding to core: _____ Winding to winding (common mode or coupled): _____

Temperature rise, maximum (°C): _____ Operating temperature range (°C): _____ to _____

Ambient temperature range (°C): _____ to _____

Schematic

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

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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