

# Inductor Design Worksheet

## Contact

Name: \_\_\_\_\_ Company: \_\_\_\_\_  
E-mail: \_\_\_\_\_ Phone: \_\_\_\_\_

## Electrical

- Common Mode  Differential Mode  
 PFC  Resonant

For PFC inductor only, please specify RMS current at 100-120Hz: \_\_\_\_\_

And peak to peak current for operation frequency: \_\_\_\_\_

|   | Winding 1 | Winding 2 | Winding 3 |
|---|-----------|-----------|-----------|
| Inductance Range:                                 | _____     | _____     | _____     |
| Rated Current:                                    | _____     | _____     | _____     |
| Ripple Current:                                   | _____     | _____     | _____     |
| Q(Quality factor if relevant):                    | _____     | _____     | _____     |
| SRF(Self-resonant frequency if relevant) minimum: | _____     |           |           |

## Mechanical

Mounting type:

- Surface mount  Through hole

Other: \_\_\_\_\_

Maximum size:

Length \_\_\_\_\_ Width \_\_\_\_\_ Height \_\_\_\_\_

## Safety and environmental requirements

Dielectrical withstanding voltage: \_\_\_\_\_  DC  RMS

Ambient temperature range (°C) : \_\_\_\_\_

Temperature rise, maximum (°C) : \_\_\_\_\_

Lead/terminal finish:  tin/lead  Pure tin

Other: \_\_\_\_\_

## Other

Sample quantity: \_\_\_\_\_ Date needed: \_\_\_\_\_

EAU(Estimated annual quantity): \_\_\_\_\_

Production start date: \_\_\_\_\_

Budgetary target price (USD) : \_\_\_\_\_

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

Program name: \_\_\_\_\_

Restricted/ITAR:  Yes  No