

Power Transformer Design Worksheet

Contact

Name: _____
E-mail: _____

Company: _____
Phone: _____

Electrical

Total output power of power supply: _____

Switching frequency (kHz): _____

Maximum Duty Cycle: _____

Topology

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

Other: _____

Primary

Input voltage range: _____

Desired inductance (if known): _____

Turns ratio (if known): _____

Input current (if known): _____

other: _____

Secondary(ies)

| | S1 | S2 | S3 | S4 | S5 | S6 |
|-----------------|-------|-------|-------|-------|-------|-------|
| Output voltage: | _____ | _____ | _____ | _____ | _____ | _____ |
| Output current: | _____ | _____ | _____ | _____ | _____ | _____ |
| Diode drop: | _____ | _____ | _____ | _____ | _____ | _____ |

Mechanical

Mounting type:

- Surface mount Through hole

Other: _____

Maximum size:

Length _____ Width _____ Height _____

Safety and environmental requirements

Agency requirement: IEC _____ UL _____ CSA _____

Insulation class: Functional Basic Supplementary Reinforced

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



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