Power Transformer Design Worksheet

Contact

Name: _____ Company: _____

E-mail: _____ 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 (℃) : _____

Temperature rise, maximum (℃) : _____

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

Two Pearl Buck Court
Bristol PA 19007 U.S.A.
Tel: 215 781 6400
Fax: 215 781 6403
E-mail: prodinfo_military@pulseelectronics.com
Web: www.pulseelectronics-milaero.com
Pulse Electronics