|  |  |  |  |
| --- | --- | --- | --- |
| Name & Title: |  | Date: |  |
| Company: |  | Phone: |  |
| Address: |  | E-mail: |  |
| City/State/Zip: |  | **Final Application:** |  |

**Custom Power Supply Design Questionnaire**

**Basic Supply Characteristics:**

Input Voltage:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (V)

Input Voltage Type: AC / DC

Output Polarity: Positive / Negative / Bipolar

Output Type: Fixed / Adjustable

Output Voltage 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(V)

Output Voltage 2:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(V)

Output Current 1:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (mA)

Output Current 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (mA)

Output Power: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(W)

Maximum Operating Temperature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (°C)

Controls and Monitors (As Required):

Adjustment Type: Pot / Analog / Digital

Analog Control Signal:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Adjustment Enable / Disable: Yes / No

Voltage Monitor: Yes / No

Voltage Monitor Scaling:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Current Monitor: Yes / No

Current Monitor Scaling: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Other Monitors/Signals: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Performance Characteristics (As Required):

Output Accuracy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Line Regulation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Load Regulation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Output Ripple: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (%)

Temperature Coefficient: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Stability:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Isolation: Yes / No

Isolation Level:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mechanical & Package Requirements: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Maximum Length:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (cm)

Maximum Width:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (cm)

Maximum Height:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (cm)

Mounting Dimensions / Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Terminals / Connection Types\*: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Other Requirements:

Full Encapsulation Required: Yes / No

Agency Approvals Required:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*include wire AWG and Lengt

Comments / further description of the system: