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

**Resistors Operating Parameter Questionnaire**

1. General description of application, for example, capacitor discharge, current limit, snubber,

continuous AC power dissipation?

2. What is end equipment (e.g., motor drive, welding equipment, etc.)? .

3. What are application parameters?:

|  |  |  |  |
| --- | --- | --- | --- |
| Ambient Temp: °C |  | Capacitance: (C) Microfarads |  |
| Peak Voltage: V |  | Single Pulse Peak Energy(E) Joules |  |
| Average Voltage: V |  | Pulse Width: (t) Seconds |  |
| Resistance: (R) Ω+/- % |  | No. of Pulses: per Second |  |
| Peak Current:(I) Amps |  | Average Power: (P) Watts |  |
| Average Current: Amps |  | Allowable Resistor Surface Temp. °C |  |

**Applicable Equations:**

I = V/R

Energy: E = ½ CV2 or I x V x t (E, in Joules; t, in seconds )

Average Power: P = IV or I2R or E x No. of Pulses/ Pulse Period ( in seconds)

4. What type of cooling will be used?

\_\_\_\_None (Still Air) Air Velocity: \_\_\_\_\_ feet per minute

\_\_\_\_Forced Air Oil Volume: \_\_\_\_\_ gallons

\_\_\_\_Oil Max. Allowable Oil Temp: \_\_\_\_\_\_°C

5. What are resistor space requirements? .

6. How will resistor be connected/mounted in the equipment? .

7. What type of resistor is currently being used in this application and what are the results? .

8. What is quantity of resistors required? for prototype? for production?

9. What is required delivery schedule? for prototype? for production?

10. Any other considerations? .

Comments / further description of the system: