

## EBG Inquiry Form for High Power Resistors

1. **Resistor Type** (If already known): \_\_\_\_\_
2. **Ohmic Value:** \_\_\_\_\_ R
3. **Tolerance:** \_\_\_\_\_ %
4. **TCR** (if requested): \_\_\_\_\_ ppm/°C
5. **Working load** (rated power): \_\_\_\_\_ W  
At what heat sink temperature: \_\_\_\_\_ °C
6. **Pulses:**
  - a. Shape of pulse ☐ square type  
☐ e-function type ☐ pulse graph enclosed
  - b. Frequency (how often does pulse occur) \_\_\_\_\_ Hz
  - c. Length of pulse / tau \_\_\_\_\_ s
  - d. Peak voltage or current \_\_\_\_\_ V or A
  - e. Value of capacitor \_\_\_\_\_
7. **Insulation Tests:** (if you need different than our standard performed testing specified in our catalogue data sheets, please describe):
  - a. Dielectric strength test at \_\_\_\_\_ kV ☐ AC ☐ DC  
How long to be tested \_\_\_\_\_ s
  - b. Partial discharge test at \_\_\_\_\_ kV  
How long to be tested (<10pC) \_\_\_\_\_ s
8. **Application details:**
  - a. Single resistor needed ☐ Multiples can be used ☐
  - b. **Function of requested resistor** (please select):
 

☐ Snubber resistor

☐ Balancing resistor

☐ Chopper (braking) resistor

☐ Crowbar resistor

☐ Pre-charge resistor

☐ Filter cap. discharge resistor

☐ Heater resistor

☐ DC coupling cap. discharge resistor

☐ Filter resistor

☐ Others (please describe) \_\_\_\_\_
  - c. **Requested resistor is intended to be used in the following application** (please select):
 

☐ Motor Drive (☐ traction ☐ stationary)

☐ HVDC-Energy Transmission

☐ X-Ray

☐ Medical Instruments

☐ Laser

☐ Electrical Vehicle

☐ Aerospace

☐ Radar
  - d. **Cooling requirement for requested resistor** (please select):
 

☐ Resistor gets mounted onto heat sink

☐ Direct cooling of resistor element

☐ No extra cooling available (e.g. ambient air, etc.)
9. **Requested quantity:** \_\_\_\_\_ pcs
10. **Form completed by:** \_\_\_\_\_ **Date:** \_\_\_\_\_