

# 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  pulse graph enclosed  e-function type

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 subscribe)

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 subscribe)

c. **Requested resistor is intended to be used in the following application (please subscribe):**

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:**

# EBG Inquiry Form for High-Voltage Resistors

**1. Resistor type:** (if already known)

**2. Ohmic value:**  R

**3. Tolerance:**  %

**4. TCR:** (if requested)  ppm/°C  
 Over which temperature range:  °C up to  °C

**5. VCR:** (if requested)  - ppm/V

**6. Operating voltage:**  V

**7. Impuls voltage / Peaks**  V

a. Shape of pulse  square type  pulse graph enclosed  e-function type

b. Frequency (how often does pulse occur)  Hz

c. Length of pulse / tau  s

**8. Continuous load:**  W  
 Over which temperature range:  °C up to  °C

**9. Where do you use the requested resistor / ambient condition (please select):**  
 air  oil  potting  other:

**10. Special type of coating requested:**   
 (Conformal Silicone, High Temperature Silicone, Printed Silicone (U2), Epoxy, Printed Epoxy (U3), Polyimide, Glass)

**11. Currently used part numbers (also other than EBG):**

**12. Application details:**

**a. Single resistor needed or can multiple be used: (please describe)**

**b. Function of requested resistor: (please select)**

Snubber resistor  Balancing resistor  Measuring resistor  
 Pre-charge resistor  Filter cap. discharge resistor  HV-Divider  
 Heater resistor  DC coupling cap. discharge resistor  Filter resistor  
 Others: (please subscribe)

**c. Requested resistor is intended to be used in the following application (please subscribe):**

Motor Drive (  traction  stationary)  HVDC-Energy Transmission  X-Ray  
 Medical Instruments  Laser  Electrical Vehicle  Aerospace  Mining  
 Electrostatic Ionization  Other (please subscribe):

**13. Requested quantity:**  pcs

**14. Form completed by:**  **Date:**