

# High Pulse Load Resistors

## Series ESP

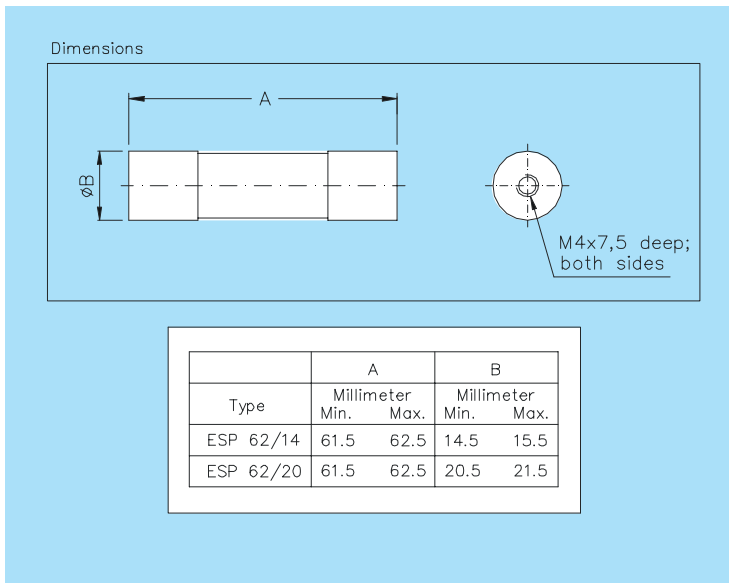
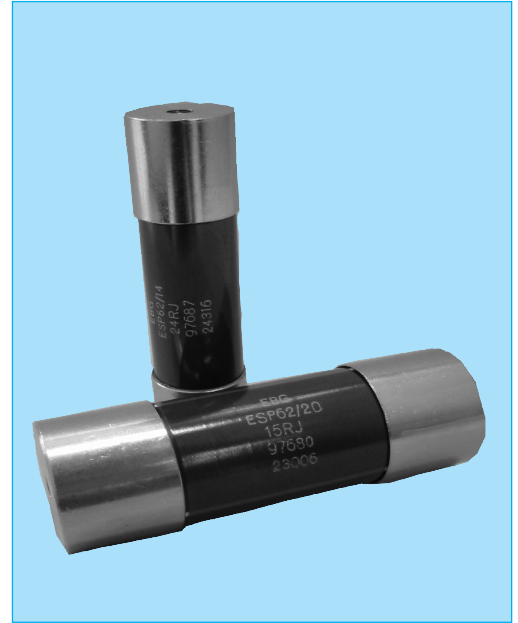
The ESP resistor series is the ideal solution for high pulse load / low frequency applications.

The special resistive lay-out provides a reliable resistor with a non inductive design.

The resistive design is based on the thick film metal oxide technology - this ensures a positive TCR.

The massive nickel plated copper caps with M4 threads provides an easy mounting solution.

EBG's superb quality standard makes this resistor family an excellent performer in different high pulse load applications.



### ESP 62 / 14

- Standard Resistance Values: 10 Ohm - 1 kOhm (others on request)
- Resistance Tolerances: 5%, 10%
- Temperature Coefficient: TC referenced to 25°C, ΔR taken at +85°C, 0 up to max. + 250ppm/°C
- Power Rating: 30W at max. +70°C
- Voltage Rating: 500V (others on request)
- Pulse Energy Rating: 2800 Joules at < 1sec.
- Mounting: easy M4 thread, max. torque 3Nm (static)

### ESP 62 / 20

- Standard Resistance Values: 10 Ohm - 1 kOhm (others on request)
- Resistance Tolerances: 5%, 10%
- Temperature Coefficient: TC referenced to 25°C, ΔR taken at +85°C, 0 up to max. + 250ppm/°C
- Power Rating: 40W at max. +70°C
- Voltage Rating: 500V (others on request)
- Pulse Energy Rating: 3300 Joules at = 1sec.
- Mounting: easy M4 thread, max. torque 3Nm (static)

### Possible pulse load to ESP 62 / 20:

2300 Joules for  $\tau = 0.7s$ , time between pulses 60s  
 3300 Joules for  $\tau = 1s$ , time between pulses 120s  
 4500 Joules for  $\tau = 1.4s$ , time between pulses 180s

In the above spec sheet, you will find our standard product, please contact your local manufacturing representative or call us direct to find out details of other options available regarding this style: