

## GBR-182 Series

### Characteristic

GBR-182 series resistors are made in a thick film technology, on ceramic substrates ( $\text{Al}_2\text{O}_3$  - 96%). Thick film resistors are characterized by a higher stability, and lower noises than a typical carbon resistors. The whole of resistor is encapsulated with epoxy resin by fluidization process. GBR-182 series elements are used both for general, and professional applications. Other values of resistance, and tolerance (up to 0,1%) are available on request.

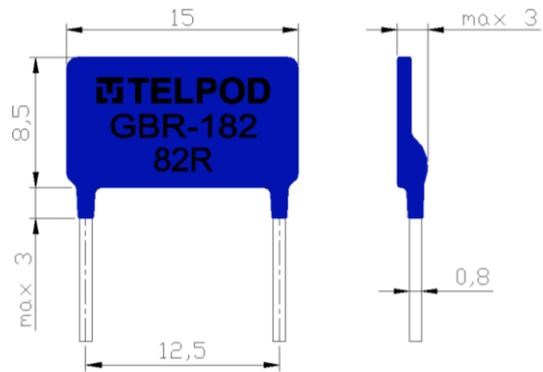


Fig. 1. Preview with dimensions [mm]

| Parameter                                   |                | Value                             |
|---|----------------|-----------------------------------|
| Nominal resistance                          |                | E24 series                        |
| Range of available resistance               |                | 0,1 $\Omega$ ... 20 M $\Omega$    |
| Resistance tolerance                        |                | 2%, 5%                            |
| Rated power                                 |                | 1 W                               |
| Temperature coefficient of resistance (TCR) | R < 1 $\Omega$ | $\pm 100$ ppm/ $^{\circ}\text{C}$ |
|   | R > 1 $\Omega$ | $\pm 50$ ppm/ $^{\circ}\text{C}$  |
| Operating temperature                       |                | -25 ... +85 $^{\circ}\text{C}$    |

### Product marking

