

## GBR-181 Series

### Characteristic

GBR-181 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-181 series elements are used both for general, and professional applications. Other values of resistance, and tolerance (up to 0,1%) are available on request.

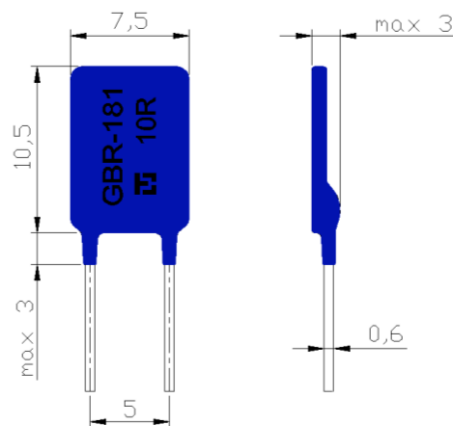


Fig. 1. Preview with dimensions [mm]

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

### Product marking

<b>GBR-181 - 4R7 - 5%</b>		
<u>Serie</u>	<u>Resistance</u>	<u>Tolerance</u>
	0,1 $\Omega$ - 20 M $\Omega$	0,1 - 5%