

GBR-182 Series

Characteristic

GBR-182 series resistors are made in a thick film technology, on ceramic substrates (Al_2O_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.

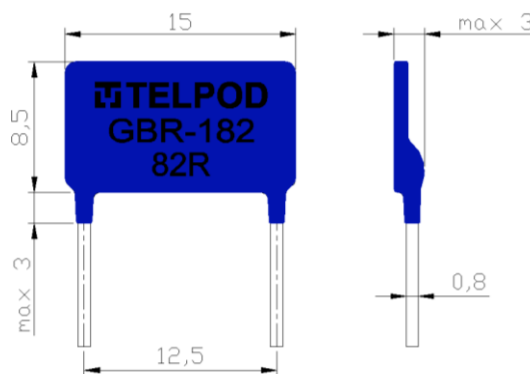


Fig. 1. Preview with dimensions [mm]

<u>Parameter</u>		<u>Value</u>
Nominal resistance		E24 series
Range of available resistance		0,1 Ω ... 20 M Ω
Resistance tolerance		2%, 5%
Rated power		1 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

GBR-182 - 4R7 - 5%		
<u>Serie</u>	<u>Resistance</u>	<u>Tolerance</u>
	0,1 Ω - 20 M Ω	0,1 - 5%