

GBR-612 Series

Characteristic

GBR-612 heating elements are made in a thick film technology, on ceramic substrates (Al_2O_3 - 96%). Heaters are characterized by high power at compact size, and very low inductance (below $3\mu\text{H}$). GBR-612 series elements are applicable as heating elements to a various types of heaters, precise surface heating, and as a high power resistors. Heaters have outputs in the form of solder fields.

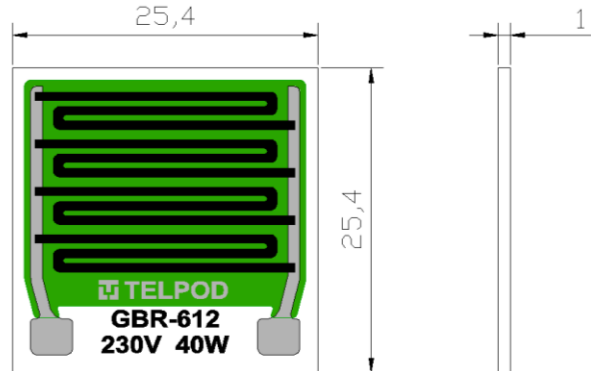


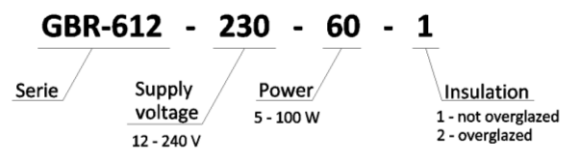
Fig. 1. Preview with dimensions [mm]

<u>Parameter</u>	<u>Value</u>
Rated power (on heatsink)	5 - 100 W
Power tolerance	$\pm 5\%$
Supply voltage	12 - 240 V
Temperature coefficient of resistance	$\pm 50 \text{ ppm}/^\circ\text{C}$
Max. element temperature	250 $^\circ\text{C}$

Typical values

Supply voltage	Rated power
12 V	40 W
24 V	40 W
48 V	40 W
230 V	20 W
230 V	40 W
230 V	60 W

Product marking



Other values of supply voltage and rated power are available on request.