GBR-612 *Series*

Characteristic

The GBR-612 heating elements are produced using thick film technology on ceramic substrates (Al2O3 - 96%). These heaters are distinguished by their high power output in a compact size, as well as their extremely low inductance (less than 3µH). The GBR-612 series elements serve as versatile heating components across various types of heaters, enabling precise surface heating, and functioning as high-power resistors. These heaters feature outputs in the form of solder fields.

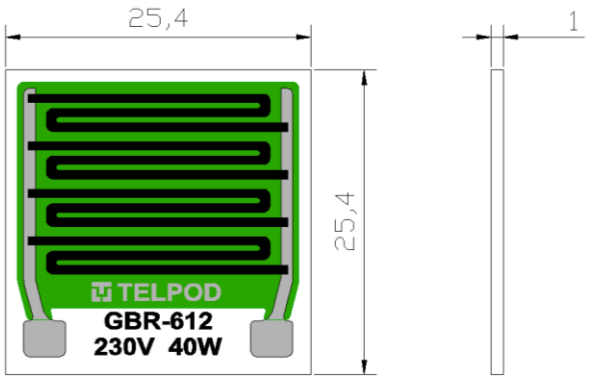


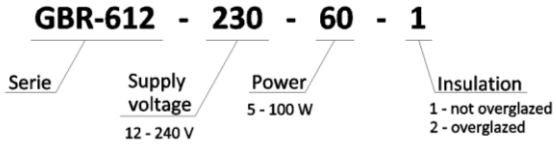
Fig. 1. Preview with dimensions [mm]

Parameter	Value
Rated power (on heatsink)	5 - 100 W
Power tolerance	±5 %
Supply voltage	12 - 240 V
Temperature coefficient of resistance	±50 ppm/^{0}C
Max. element temperature	250 ^{0}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.

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