

## GBR-618 Series

### Characteristic

GBR-618 miniature heating elements are made in a thick film technology, on ceramic substrates ( $\text{Al}_2\text{O}_3$  - 96%). Heaters are characterized by high power at compact size, and precise amount of dissipated power (1% tolerance). GBR-618 series elements are useful in applications, where small size and precision of heating is desired, and as a high power resistors. Heaters have outputs in the form of solder/contact fields.

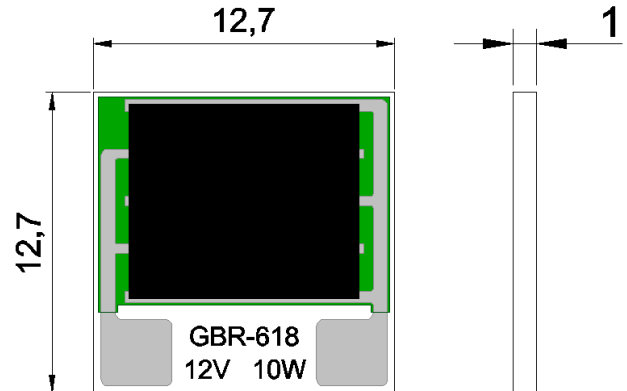


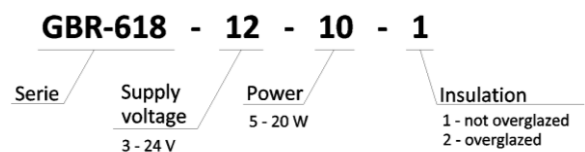
Fig. 1. Preview with dimensions [mm]

Parameter	Value
Rated power (on heatsink)	5 - 20 W
Power tolerance	±1 %
Supply voltage	3 - 24 V
Temperature coefficient of resistance	±100 ppm/°C
Max. element temperature	300 °C

### Typical values

Supply voltage	Rated power	Supply voltage	Rated power
3 V	5 W	12 V	5 W
3 V	10 W	12 V	10 W
3 V	20 W	12 V	20 W
9 V	5 W	24 V	5 W
9 V	10 W	24 V	10 W
9 V	20 W	24 V	20 W

### Product marking



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