

GBR-618 Series

Characteristic

GBR-618 miniature 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 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.

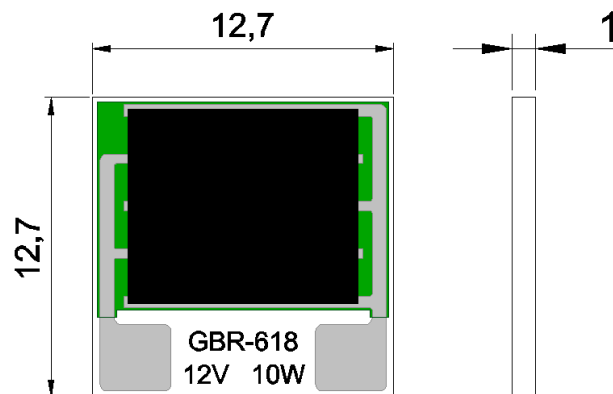


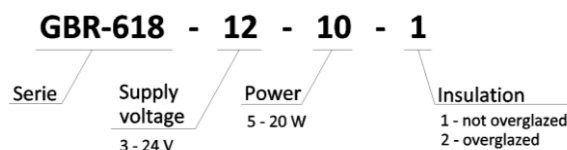
Fig. 1. Preview with dimensions [mm]

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.

TELPOD S.A.

str. Piłsudskiego 63A
32-050 Skawina
www.telpod.pl

Technical division: +48 (0)12 257 10 12
Sales division: +48 (0)12 257 10 35
fax: +48 (0)12 257 10 13
e-mail: thickfilm@telpod.pl

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