

GBR-619 Series

Characteristic

GBR-619 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. GBR-619 series elements are useful in applications, where equal dissipation of power at oblong area is desired, and as a high power resistors. Heaters have outputs in the form of solder/contact fields.

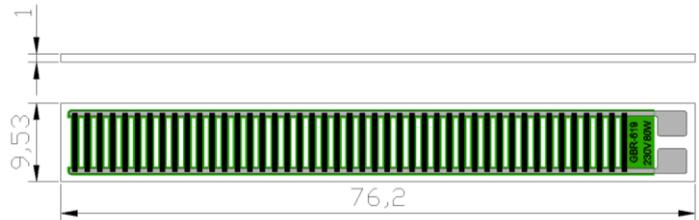


Fig. 1. Preview with dimensions [mm]

| Parameter | Value |
|---------------------------------------|-------------|
| Rated power (on heatsink) | 10 - 100 W |
| Power tolerance | ±10 % |
| Supply voltage | 12 - 230 V |
| Temperature coefficient of resistance | ±100 ppm/°C |
| Max. element temperature | 300 °C |

Typical values

| Supply voltage | Rated power | Supply voltage | Rated power |
|----------------|-------------|----------------|-------------|
| 12 V | 20 W | 230 V | 20 W |
| 12 V | 40 W | 230 V | 40 W |
| 12 V | 60 W | 230 V | 60 W |
| 24 V | 20 W | 230 V | 80 W |
| 24 V | 40 W | 230 V | 100 W |
| 24 V | 60 W | | |

Product marking

| GBR-619 - 230 - 80 - 1 | | | |
|------------------------|------------------------------|---------------------|----------------------------------------------------|
| Serie | Supply voltage 12 - 230 V | Power 10 - 100 W | Insulation 1 - not overglazed 2 - overglazed |

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