

## GBR-380 Series

### Characteristic

GBR-380 series heating elements are made in a thick film technology, on ceramic substrates ( $\text{Al}_2\text{O}_3$  - 96%). Its characteristic is high power at compact size. They are applicable as heating elements to a various types of heaters, precise surface heating, and high power resistors. Heaters have outputs in the form of solder fields.

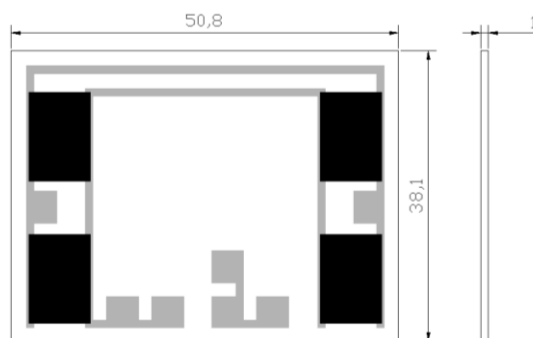


Fig. 1. Preview with dimensions [mm]

Parameter	Value
Rated power (on heatsink)	75 - 85 W
Pulse power (3s) (on heatsink)	300 W
Resistance	
GBR-380/3 75W	705,3 $\Omega$
GBR-380/3 80W	661,2 $\Omega$
GBR-380/3 85W	622,4 $\Omega$
Tolerance	$\pm 5\%$
Supply voltage	230 V
Temperature coefficient of resistance (TCR)	$\pm 50 \text{ ppm}/^\circ\text{C}$
Max. element temperature	280 $^\circ\text{C}$

### Connection method

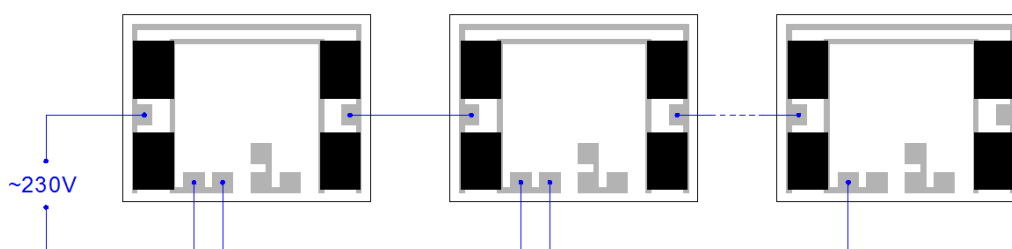


Fig. 2. Typical application