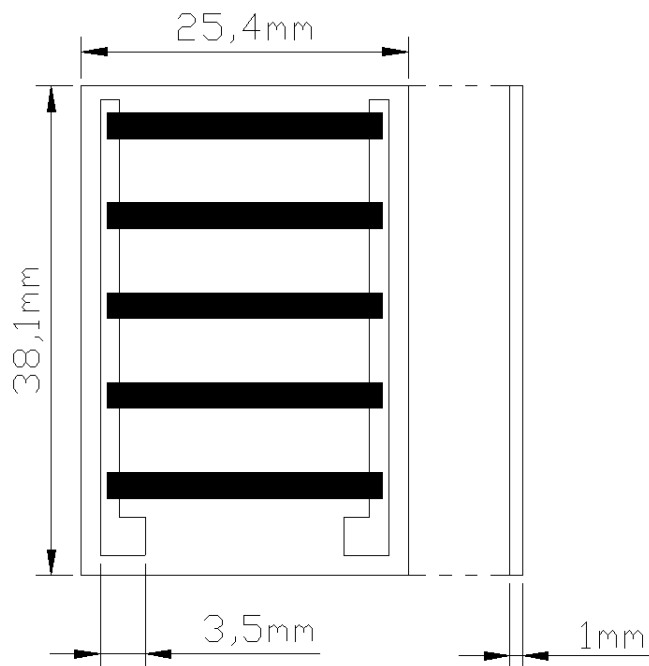


THICK FILM POWER HEATER
GBR-666



Description:

Thick film power heaters are produced by screen printing process. Noble metals, oxide noble metals, organic filler and solvents converted into conductivity, resistance pastes are used. These materials deposited on alumina (96% Al_2O_3) substrate by screen printing process, then firing in conveyer ovens. Thick film resistors after firing are adjusted to suitable tolerance.

Application:

Thick film power heaters series GBR-380/3 are used in home equipment

General specifications:

Parametr	Unit	Type			
		GBR-666/12/1 40W/12V	GBR-666/12/2 40W/12V	GBR-666/24/1 40W/24V	GBR-666/24/2 40W/24V
Nominal Power	W	40	40	40	40
Resistance	Ω	3,6	3,6	14,4	14,4
Tolerance	%	± 5			
Working voltage	V _{AC/DC}	12	12	24	24
Max voltage	V _{AC/DC}	14,4	14,4	26,4	26,4
Glass dielectric	-	no	yes	no	yes

Application:

- water heaters
- applications requiring precise heating surface,
- detectors / gas sensors,
- in the process of photolithography,
- in the processes of bonding
- medical equipment and laboratory,

Marking:

Marking on resistance structure: None,

Marking on a packaging box:

Type of resistor: (example) GBR-380/3 80W/230V,

Manufacturing date (week/year): 27/10

Ordering example:

Heater GBR-666/12/1

Packing:

Heaters are packed in paper tape and cardboard boxes.