

## THICK FILM HIGH VOLTAGE RESISTORS SERIES GBR-200/1, GBR-250, GBR-253

### Description:

Thick film high voltage resistors are produced by screen printing process. Noble metals, oxide noble metals, glass powder, organic filler and solvents converted into conductivity, resistance and passivation pastes are used. These materials deposited on alumina (96%  $Al_2O_3$ ) substrate by screen printing process, then firing in conveyor ovens. Thick film resistors after firing are adjusted to suitable tolerance. Wire terminals are assembled to conductivity layers using soldering process.

### Application:

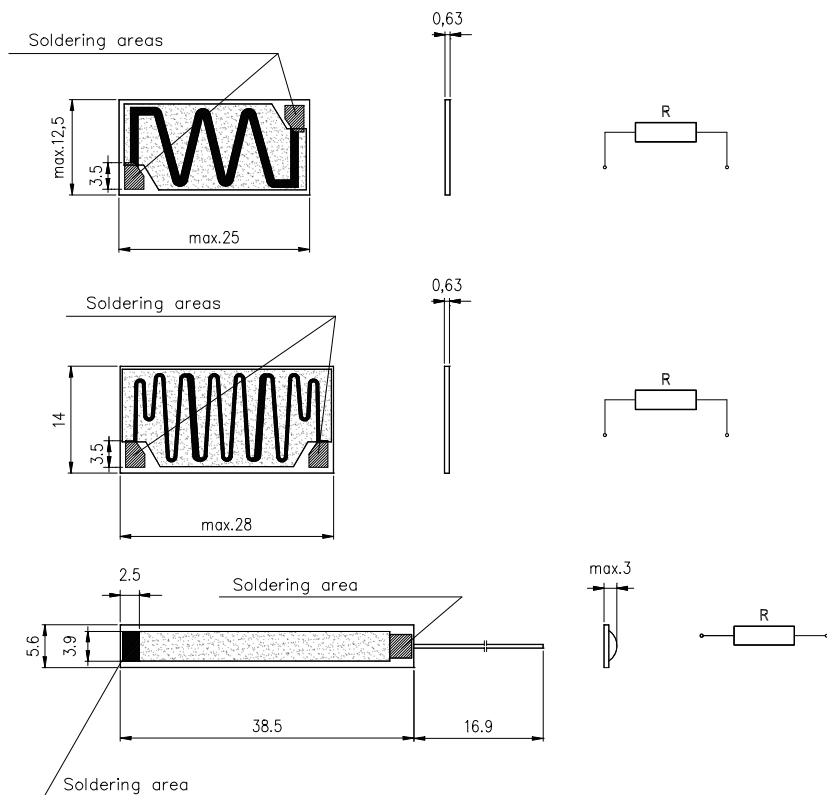
Thick film high voltage resistors series GBR... are used in voltage multiplier for Colour TV set and industrial equipment demanding high voltage.

### General specifications

**Table 1**

Parameter	Unit	Type		
		GBR-200/1	GBR-250	GBR-253
Power dissipation	W	2	2	1,7
Resistance	$\Omega$	47k	100k÷500M	100k÷500M
Tolerance of resistance	%	$\pm 20 \div \pm 3$		
Working voltage	kV	25 (pulse)	13	22
Limit working voltage	kV	33 (pulse)	16,5	25

## Outline view - dimensions – electrical scheme:



### Marking:

Marking on resistance structure:

Type of resistor, manufacturing date

### Ordering example:

**Resistor GBR-250 100k $\Omega$  10%**

### Packing:

Resistors are packed in plastic bags and cardboard boxes.

### Detailed information:

- engineering:

Technical Division

phone: +48 (0)12 257 10 12

- trade:

Sale Division

phone: +48 (0)12 257 10 35

fax: +48 (0)12 257 10 13

**TELPOD S.A.**

ul. Lipowa 4, 30-702 Kraków, POLAND

Phone: +48 12 257 10 11; Fax: +48 12 257 10 13;

E-mail [telpod@telpod.krakow.pl](mailto:telpod@telpod.krakow.pl) [www.telpod.krakow.pl](http://www.telpod.krakow.pl)