

## PTC-Thickfilm Temperature Sensors, radial leaded

Type: TPL

Sizes: 1206, 1210

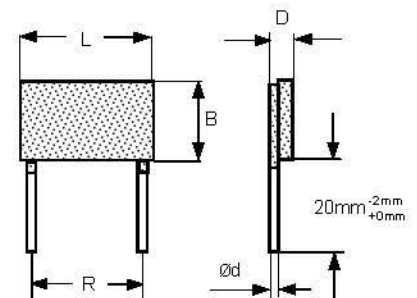
### Features:

- PTC-Resistors in Thickfilm
- Variable lead spacing
- Non-magnetic
- Untrimmed for higher Working Voltage
- Versions with heater available
- Climatic protection by lacquer coating



### Dimensions:

Size	L	B	D	R	d
1206	3,2	1,5	0,8	2,0	0,40 <sup>±0,05</sup>
1210	3,2	2,5	0,9	2,0	0,40 <sup>±0,05</sup>



L = Length, B = Width, D = Thickness (Tolerance of dimensions:  $\pm 0.5$  mm)  
d = Standard wire diameter (in mm), other diameters possible  
R = Standard lead spacing (other spacing possible by bending)

### Packaging:

Bulk in foam layers  
Minimum quantity 100 pieces per value

### Ordering Data:

Type – value – tolerance – TCR  
Example: TPL 1206 1 k $\pm 5\%$  TCR +2000  $\pm 400$

Untrimmed parts are indicated by the extension "NA" in the order code:

Type – value – tolerance – NA – TCR – packaging  
Example: TPL 1206 1 k $\pm 5\%$  NA TCR +2000  $\pm 400$

## PTC-Thickfilm Temperature Sensors, radial leaded

Type: TPL

Sizes: 1206, 1210

### Technical data – depending on size:

Size	1206	1210
Power rating $P_{70}$ (mW) ( $P_{155} = 0$ mW)	250	350
Working voltage $U_{-}$ , $U_{\text{eff}}$ (V) trimmed untrimmed	200 600	300 1000

Ranges / Tolerances / TCR / VCR		
1R – 9R1	+3600 5/10/20%	+3600 5/10/20%
10R – 95R3	+ 3000/ +3500 2/5/10%	+ 3000/ +3500 2/5/10%
100R – 953R	+ 2000/ +2800 2/5/10%	+ 2000/ +2800 2/5/10%
1K – 2K05	+1600/ +2000/ +2800 2/5/10%	+1600/ +2000/ +2800 2/5/10%
2K15 – 5K	+1600/ +2800 2/5/10%	+1600/ +2800 2/5/10%
5k11– 40k	+1600/+2800 5/10/20%	+1600/+2800 5/10/20%
40k2 – 100k	–	+1600/+2800 5/10/20%

Standard-TCR-Tolerance:  $\pm 400$  ppm/K; closer tolerances of value and TCR on request

### Technical data – general:

Temperature range	- 55°C ... + 125°C
Climatic category acc. to DIN EN 60068-1	55/125/56
Humidity- / contact protection	Lacquer coating

Long term stability	
Storage 125°C/1000h	<1%
Load $P_{70}$ /70°C/1000h	<1%
Damp heat (56d/40°C/96%)	<1%

Data not specified according CECC 40401-802