

PTC-Thickfilm Temperature Sensors, radial leaded

Type: TPL

Sizes: 1206, 1210

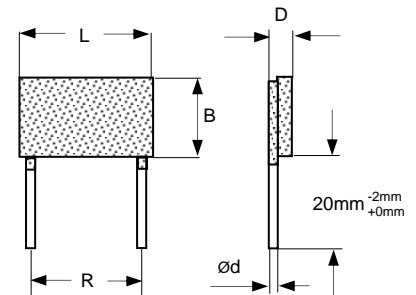
Features:

- 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 ^{±0,05}
1210	3,2	2,5	0,9	2,0	0,40 ^{±0,05}



L = Length, B = Width, D = Thickness (Tolerance of dimensions: ± 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 ± 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 ± 400

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Technical data – depending on size:

Size	1206	1210
Power rating P_{70} (mW) ($P_{155} = 0$ mW)	250	350
Working voltage U_{-} , U_{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: ± 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

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