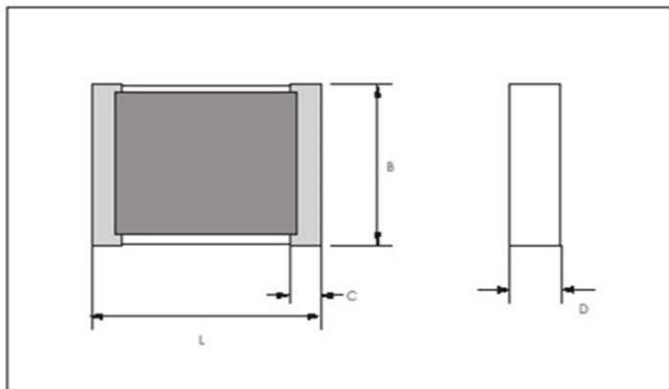




Construction



Features

- High temperature applications up to 300°C
- Chip resistors in thick film technology
- PTC temperature sensors available (up to 250°C)
- PtAg-terminals
- Suitable for conductive epoxy applications and soldering
- Suitable for high vacuum applications – no organics
- Wire bondable resistors series CBW with Au-terminals available (up to 200°C)
- Non-magnetic

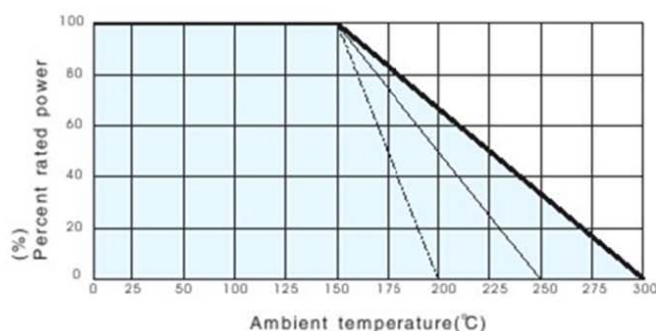
Specialities

- Tolerance ranges from 1% available (5% for TPS-HT and CBW-HT)
- TCR is valid for the temperature range +25° C ... +125° C
- The final measuring of the resistors takes place at room temperature (independent of TCR)
- Please pay attention to the interconnection technology at high temperature applications.
- Operating temperature range: -55° C ... +300° C
(TPS-HT: -55° C ... +250° C)
(CBW-HT: -55° C ... +200° C)
(TPS-HT: 55/250/56)
(CBW-HT: 55/200/56)
- Climatic category acc. to EN 60068-1: 55/300/56
- Stability complies with the values of the basic series

Technical Specifications

Type	CHR-HT	CHS-HT	CHM-HT	CRB-HT	CBW-HT
Value ranges	1R-10M	10M-1T	100K-10T	1R-10M	10R-1T

Derating Curve



Dimensions(mm)

Type	L	B	D	C
0402	1.04 ^{+0.05}	0.5 ^{+0.05}	0.3 ^{+0.05}	0.1 ^{+0.1/-0.05}
0504	1.25 ^{+0.15/-0.05}	1.0 ^{+0.15/-0.05}	0.3 ^{+0.15/-0.05}	0.2 ^{+0.2/-0.1}
0603	1.5 ^{+0.15/-0.05}	0.8 ^{+0.15/-0.05}	0.4 ^{+0.15/-0.05}	0.2 ^{+0.2/-0.1}
0612	1.5 ^{+0.2/-0.05}	3.2 ^{+0.15/-0.05}	0.4 ^{+0.15/-0.05}	0.3 ^{+0.2/-0.1}
0805	2.0 ^{+0.15/-0.05}	1.25 ^{+0.15/-0.05}	0.4 ^{+0.15/-0.05}	0.3 ^{+0.2/-0.1}
1206	3.2 ^{+0.15/-0.05}	1.5 ^{+0.2/-0.05}	0.4 ^{+0.15/-0.05}	0.3 ^{+0.2/-0.1}
1210	3.2 ^{+0.15/-0.05}	2.5 ^{+0.2/-0.05}	0.5 ^{+0.15/-0.05}	0.8 ^{+0.2}
1216	3.2 ^{+0.2/-0.05}	4.1 ^{+0.2/-0.05}	0.5 ^{+0.2/-0.1}	0.4 ^{+0.2}
1216H	3.2 ^{+0.2/-0.05}	4.1 ^{+0.2/-0.05}	0.5 ^{+0.2/-0.1}	0.4 ^{+0.2}
2010	5.1 ^{+0.15/-0.05}	2.5 ^{+0.2/-0.05}	0.6 ^{+0.2/-0.1}	1.2 ^{+0.2}
2512	6.3 ^{+0.15/-0.05}	3.5 ^{+0.2/-0.05}	0.6 ^{+0.15/-0.05}	0.9 ^{+0.2}
4020	10.2 ^{+0.2/-0.05}	5.1 ^{+0.2/-0.05}	0.6 ^{+0.2/-0.1}	0.9 ^{+0.2}

L=Length, B=Width, D=Thickness,
C=Width of wraparound (in mm)

Packaging

- Bulk in plastic bags - minimum quantity 100 pieces per value
- Blister tape acc. to EN 60286-3 - minimum 1000 pieces per value
- Reel diameter 180 mm or 330 mm

How To Order

Example

CHR 0805-HT	100K	± 10%	250ppm	180mm
Type	Value	Tolerance	TCR	Packaging
CHR 0805-HT	100K	± 10%	250ppm	180mm

Example

Not trimmed parts are indicated by the extension "NA" in the order code:

CHR 0805-HT	10G	± 10%	NA	250ppm	180mm
Type	Value	Tolerance	NA	TCR	Packaging
CHR 0805-HT	10G	± 10%	NA	250ppm	180mm

If no requirements for TCR and taping, the standard TCR (highest value in table) will be supplied and packaging is bulk.