

HT-Series: CHR-HT, CHS-HT, CHM-HT, CRB-HT, CBW-HT

High Temperature Chip Resistors

Sizes: 0402 ~ 4020

The SRT chip resistor series CHR, CHS, CHM, CRB and CBW are available with the extension “-HT” for the operating temperature range **up to 300°C**.



Features:

- High temperature applications up to 300°C
- Chip resistors in thick film technology
- 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



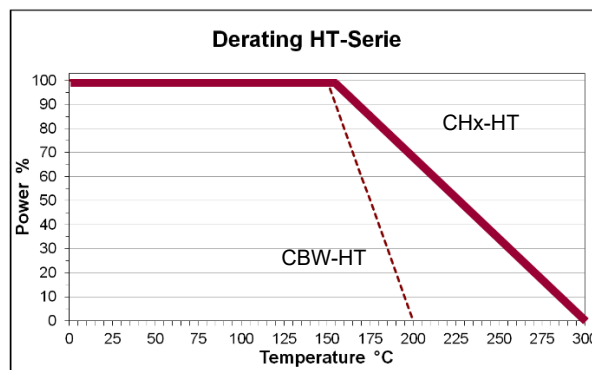
Dimensions / Technical data:

Dimensions and electrical data are corresponding to the data of the basic series CHR, CHS, CHM, CRB and CBW (shown in the actual data sheets).

Available sizes (value range according to the data sheets of the basic series):

Size \ Series	CHR-HT	CHS-HT	CHM-HT	CRB-HT	CBW-HT
0402	●	●			●
0603	●	●		●	●
0805	●	●	●	●	●
1206	●	●	●	●	●
1210		●	●	●	
1216				●	
2010	●		●		●
2512	●	●	●		●
4020	●	●	●		●

Derating curve:



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Special Characteristics:

- The temperature coefficient is valid for the temperature range +25°C ...+125°C (85°C for special TK)
- The final measuring of the resistors takes place at room temperature!
- Please pay attention to the interconnection technology at high temperature applications.
- Tolerance ranges (accordingly value range in basic series data sheet and additional restrictions in the table below):

Tolerance	Series	Sizes
from 1%	CHR-HT	1206, 2010, 2512, 4020
	CHS-HT	1206, 1210, 2512, 4020
	CHM-HT	1206, 1210, 2010, 2512, 4020
from 2%	CHR-HT	0402, 0603, 0805
	CHS-HT	0603, 0805
	CHM-HT	0805
from 5%	CHS-HT	0402
	CRB-HT	0603, 0805, 1206, 1210, 1216, 1216H
	CBW-HT	0402, 0603, 0805, 1206

- Operating temperature range: **-55°C ... +300°C** (CBW-HT: -55°C ... +200°C)
- Climatic category acc. to EN 60068-1: 55/300/56 (CBW-HT: 55/200/56)
- Stability complies with the values of the basic series with the exception that all values 0.25% and 0.5% are replaced by **1%**

Packaging:

Bulk in plastic bags: minimum 100 pieces per value
 Blister tape acc. to EN 60286-3: minimum 500 pieces per value
 Reel diameter 180 mm or 330 mm

Ordering Data:

Type – HT – value – tolerance – temperature coefficient TK
 Example: CHR 0805-HT 100K ±10% TK250

Without data for the temperature coefficient TK, the highest value in the table will be supplied.