

SRT Resistor Technology

High Temperature Chip Resistors

Type: **CHR-HT, CHS-HT, CHM-HT, CRB-HT**
TPS-HT, TNS-HT

Sizes: **0402 ... 4020**

The SRT chip resistor series CHR, CHS, CHM and CRB as well as the PTC and NTC temperature sensor series TPS and TNS are available with extension –HT for the working temperature range **up to 300°C**.

Features:

- High temperature applications up to 300°C
- Chip resistors in thick film technology
- PTC and NTC temperature sensors available
- PtAg-terminals
- Suitable for conductive epoxy applications and soldering
- Suitable for high vacuum applications – no organics
- Non-magnetic



Dimensions / Technical data:

Dimensions and data are conform to the data of the basic series CHR, CHS, CHM, CRB, TPS und TNS (shown in the corresponding data sheets).

Available sizes:

Size \ Series	CHR-HT	CHS-HT	CHM-HT	CRB-HT	TPS-HT	TNS-HT
0402	●	●			●	●
0504	●					
0603	●	●		●	●	●
0612				●	●	●
0805	●	●	●	●	●	●
1206	●	●	●	●	●	●
1210		●	●	●		
1216				●		
1216H				●		
2010			●			
2512		●	●			
4020		●	●			

Value ranges: see data sheet of the basic series

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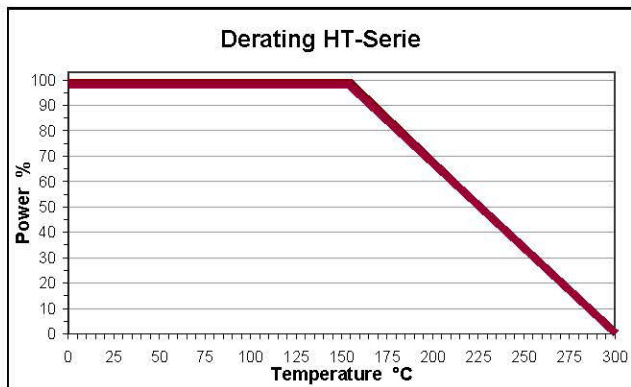
Type: CHR-HT, CHS-HT, CHM-HT, CRB-HT
TPS-HT, TNS-HT

Sizes: 0603 ... 4020

Specialities:

- Tolerance ranges from 1% available
- 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.

- Temperature range: **-55°C ... +300°C**
- Climatic category acc. to EN 60068-1 **55/300/56**
- Stability complies with the values of the basic series



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

Ordering Data:

Type – HT – value – tolerance – TCR – packaging

Example: CHR 0805-HT 100K ±10% TCR250 Tape 180 mm

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

Type – HT – value – tolerance – NA – TCR - packaging

Example: CHS 4020-HT 10G ±10% NA TCR250 Tape 180 mm

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