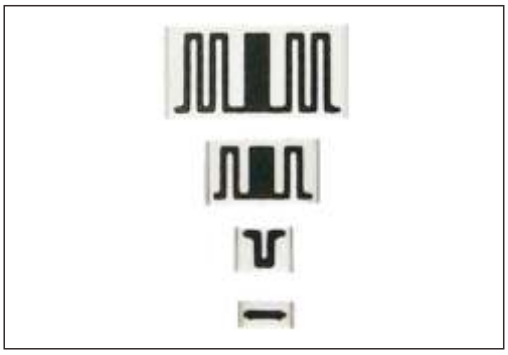
HT Series High Temperature Chip Resistor



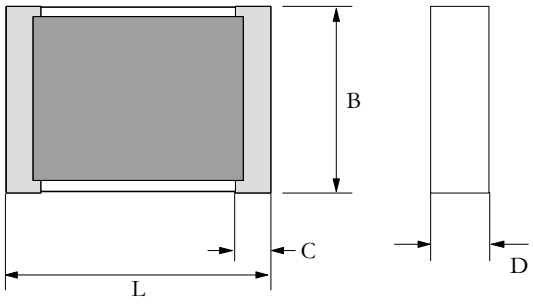
Features

Ⅰ High temperature applications up to 300℃
Ⅱ Chip resistors in thick film technology
Ⅲ PTC temperature sensors available (up to 250℃)
Ⅳ PtAg-terminals
Ⅴ Suitable for conductive epoxy applications and soldering
Ⅵ Suitable for high vacuum applications - no organics
Ⅶ Wire bondable resistors series CBW with Au-terminals available (up to 200℃)
Ⅷ Non-magnetic

Applications

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

Dimensions



Type	Dimensions(mm)			
	L	B	D	C
HT0402	1.04±0.05	0.5±0.05	0.3±0.05	0.1+0.1-0.05
HT0504	1.25+0.15/-0.05	1.0+0.15/-0.05	0.3+0.15/-0.05	0.2+0.2/-0.1
HT0603	1.5+0.15/-0.05	0.8+0.15/-0.05	0.4+0.15/-0.05	0.2+0.2/-0.1
HT0612	1.5+0.2/-0.05	3.2+0.15/-0.05	0.4+0.15/-0.05	0.3+0.2/-0.1
HT0805	2.0+0.15/-0.05	1.25+0.15/-0.05	0.4+0.15/-0.05	0.3+0.2/-0.1
HT1206	3.2+0.15/-0.05	1.5+0.2/-0.05	0.4+0.15/-0.05	0.3+0.2/-0.1
HT1210	3.2+0.15/-0.05	2.5+0.2/-0.05	0.5+0.15/-0.05	0.8±0.2
HT1216	3.2+0.2/-0.05	4.1+0.2/-0.05	0.5+0.2/-0.1	0.4±0.2
HT1216H	3.2+0.2/-0.05	4.1+0.2/-0.05	0.5+0.2/-0.1	0.4±0.2
HT2010	5.1+0.15/-0.05	2.5+0.2/-0.05	0.6+0.2/-0.1	1.2±0.2
HT2512	6.3+0.15/-0.05	3.5+0.2/-0.05	0.6+0.15/-0.05	0.9±0.2
HT4020	10.2+0.2/-0.05	5.1+0.2/-0.05	0.6+0.2/-0.1	0.9±0.2

L=lenght,B=width,
D=ThicknessC=width of wraparound(in mm)

Ordering Information

Example:

CHR0805-HT	10G	K	250ppm/℃
(1)	(2)	(3)	(4)
Series Name	Value	Resistance Tolerance	T.C.R

(1)Type: CHR0805-HT SERIES

(2)Value: 10=10G

(3)Tolerance: K=±10%

(4)T.C.R:±250ppm/℃

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

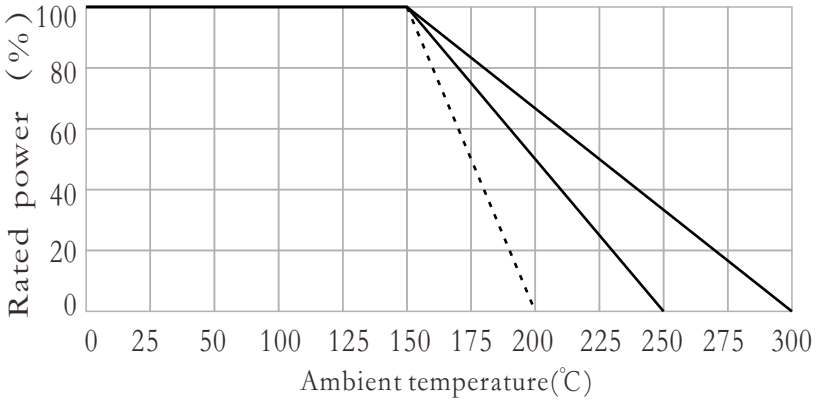
Reference Standards

JISC 5201-1

Applications And Ratings

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



Packaging

Ⅰ Bluk in plastic bags-minimum quantity 500 pieces per value

Ⅱ Blistertape acc, to EN60286-3-minimum 1000 pieces per value

Ⅲ Reel diameter 180mm or 330mm