

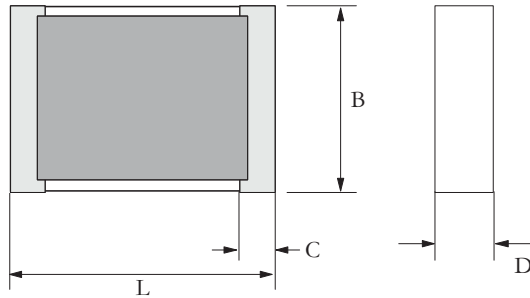
## ● Features

- I Chip resistors in thick film
- II Contact areas PtAg-non-magnetic
- III Suited for gluing and soldering
- IV RF-versions untrimmed or air-abrasive trimmed(0805,1206)

## ● Applications

- I Computers
- II Telecom and wireless
- III Meters and instruments
- IV Electrical devices

## ● Dimensions



Type	Power (mW)	Dimensions(mm)			
		L	B	D	C
CHD0402	50	1.04 $\pm$ 0.05	0.5 $\pm$ 0.05	0.3 $\pm$ 0.05	0.1 $^{+0.1/-0.05}$
CHD0504	100	1.25 $^{+0.15/-0.05}$	1.0 $^{+0.15/-0.05}$	0.3 $^{+0.15/-0.05}$	0.2 $^{+0.2/-0.1}$
CHD0603	100	1.5 $^{+0.15/-0.05}$	0.8 $^{+0.15/-0.05}$	0.4 $^{+0.15/-0.05}$	0.2 $^{+0.2/-0.1}$
CHD0805	125	2.0 $^{+0.15/-0.05}$	1.25 $^{+0.15/-0.05}$	0.4 $^{+0.15/-0.05}$	0.2 $^{+0.2/-0.1}$
CHD1206	250	3.2 $^{+0.15/-0.05}$	1.5 $^{+0.2/-0.05}$	0.4 $^{+0.15/-0.05}$	0.3 $^{+0.2/-0.1}$

L=length,B=width,D=Thickness,C=width of wraparound(in mm)

## ● Ordering Information

Example:

CHD	0805	125	J	100M $\Omega$	100
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Style	Power Rating	Resistance Tolerance	Resistance	T.C.R

(1)Type: CHD SERIES

(2)Style:0805,1206

(3)Power Rating: 50=50mW,100=100mW,125=125mW,250=250mW

(4)Tolerance: D=  $\pm$  0.5%,F=  $\pm$  1%,J=  $\pm$  5%,K=  $\pm$  10%,M=  $\pm$  20%

(5)Resistance Value:100M $\Omega$ =100M $\Omega$

(6)T.C.R:  $\pm$  50ppm,  $\pm$  100ppm,  $\pm$  250ppm

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

## ● Reference Standards

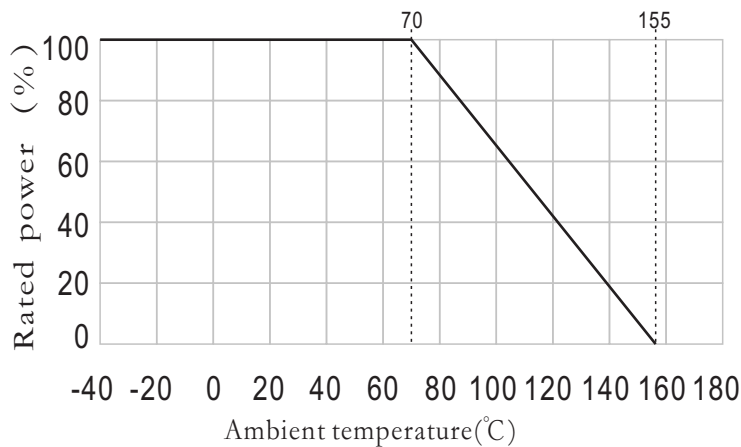
JISC 5201-1

## Applications And Ratings

Type	Power (mW)	Working Voltage(V)		Resistance Range/Tolerances/TCR(ppm/°C) <sup>1)</sup>			
		Trimmed	Untrimmed	1R~10R	10R~100R	100R~1M	1M~10M
CHD0402	50	30	100	10/20% TC100/250	5/10% TC50/100	2/5/10% TC50/100	5/10/20% TC50/100
CHD0504	100	50	150	5/10/20% TC100/250	2/5/10% TC50/100	1/2/5/10% TC50/100	1/2/5/10% TC50/100
CHD0603	100	75	220	5/10/20% TC100/250	2/5/10% TC50/100	1/2/5/10% TC50/100	1/2/5/10% TC50/100
CHD0805	125	100	300	5/10/20% TC100/250	1/2/5/10% TC50/100	0.5/.../10% TC50/100	1/2/5/10% TC50/100
CHD1206	250	200	600	5/10/20% TC100/250	1/2/5/10% TC50/100	0.5/.../10% TC50/100	1/2/5/10% TC50/100

1)TC25/50:Temperature range+25°C ~ +85°C . Zero-Ohm-Jumper: < 50mΩ TCR max. +4000PPM/°C . Lower values of tolerance,TCR and VCR or other sizes on request.

## Derating Curve



## Performance

Test Items	Test Methods(JIS C 5201-1)	
Temperature Range	-55°C ~ 125°C	
Climatic Category	55/155/56	
Solderability	235°C, 2s	
Max. Soldering Temperature	260°C, 10s	
Long Term Stability	≥ 10R	< 10R
Storage 125°C / 1000h	< 0.5%	< 1%
Storage 155°C / 1000h	< 1%	< 2%
Load P <sub>70</sub> / 70°C / 1000h	< 0.5%	< 1%
Short term overload	< 0.25%	< 0.5%
Damp heat(56d/40°C / 96%)	< 0.5%	< 1%