



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Chip Power Resistor CP series



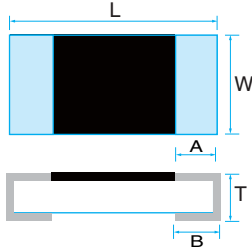
16W rated power possible depending on customer's board type.
Resistance tolerance +/-1%, TCR +/-25ppm/°C
Operating temperature: 55~155°C

RoHS compliant Completely lead free



SPECIFICATIONS

Mechanical

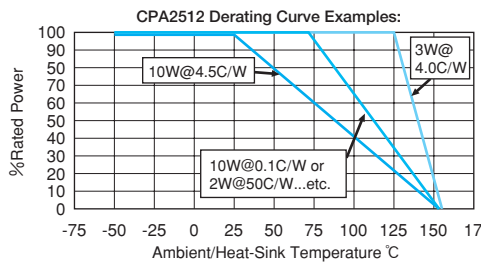


Dimension (mm)	CPA2512
L	6.3±0.2
W	3.2±0.2
T	0.7±0.1
A	0.9±0.2
B	2.0±0.2

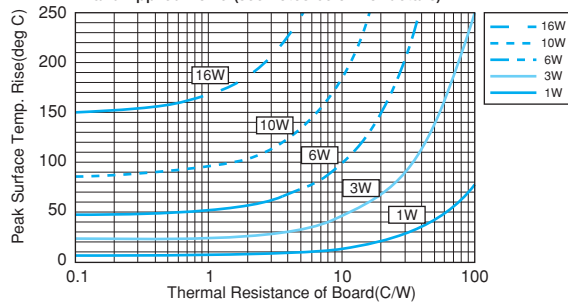
Electrical

Type	CPA2512
Power	16W
Resistance Range(Ω)	3.3~120
Tolerance %(code)	±1.0(F)
TCR ppm /°C(code)	3.3Ω~22Ω : ±50 (Q) > 22Ω : ±25(E)
Operating Temp. Range	-55~155°C
Package	1,000pcs/reel (T10) 5,000pcs/reel (T50)

Power rating and other characteristics vary depending on customer boards' thermal conductivity/resistivity.

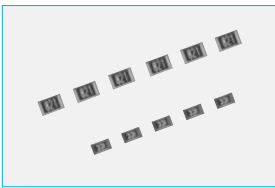


Peak Surface Temperature Rise of CPA2512*##*S per Board Thermal Resistance and Applied Power(see notes below for details)



PART NUMBER

Dimensions — **CP A 2512 * **** F S - T10** — Package (T10:1000pcs/reel, T50:5000pcs/reel)
 Material designator: (A) Alumina — Standard products (S)
 Part Code — Tolerance: ±1.0(F)
 — Resistance value
 — Temperature Coefficient of Resistance: ±25(E)±50(Q)



RRS series, audio metal thin film chip resistors



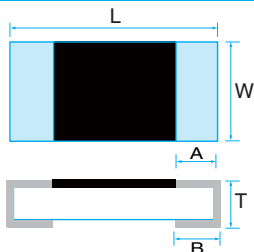
Thin film realizes excellent dynamic range and sound quality
 · Minimal current noise
 · Special materials and structure using thin film produce "comfort" sound.

RoHS compliant Completely lead free



SPECIFICATIONS

Mechanical



Dimension (Inch Size)	RRS2012 (0805)	RRS1608 (0603)
L	2.00±0.20	1.60±0.20
W	1.25±0.20	0.80±0.20
A	0.40±0.20	0.30±0.20
B	0.40±0.20	0.30±0.20
T	0.40±0.10	0.40±0.10

Electrical

Type	RRS2012	RRS1608
Power	1/10W	1/16W
Tolerance %(code)	±0.5%(D), ±0.1%(B)	±0.5%(D)
Resistance Range(Ω)	100~1M	100~360k
TCR ppm /°C(code)	±25 (P)	±25 (P)
Resistance Value	E-24	E-24
Max Operating Voltage	100V	75V
Package	5,000pcs/reel	5,000pcs/reel



PART NUMBER

Dimensions — **RRS 2012 P - 102 - B** — Resistance Tolerance
 Part Code — Resistance
 — Temperature Coefficient of Resistance