

Chip Power Resistor CP series



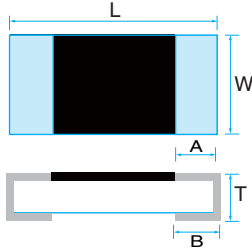
16W rated power possible depending on customer's board type.
Resistance tolerance $\pm 1\%$, TCR $\pm 25\text{ppm}/^\circ\text{C}$
Operating temperature: $55\sim 155^\circ\text{C}$

RoHS compliant

Completely lead free

SPECIFICATIONS

Mechanical

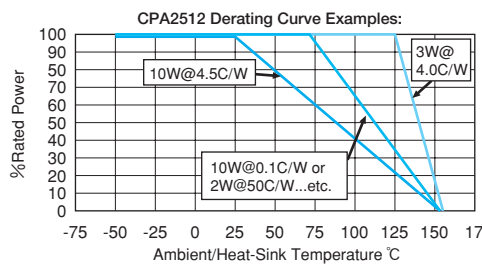


Dimension (mm)	CPA2512
L	6.3 ± 0.2
W	3.2 ± 0.2
T	0.7 ± 0.1
A	0.9 ± 0.2
B	2.0 ± 0.2

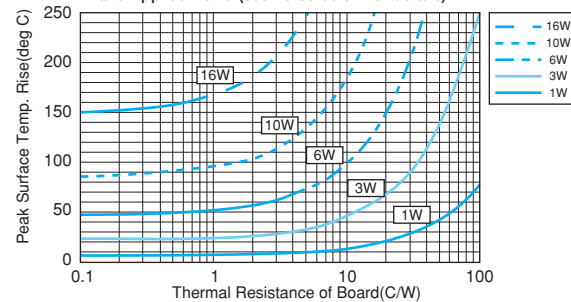
Electrical

Type	CPA2512
Power	16W
Resistance Range(Ω)	$3.3\sim 120$
Tolerance % (code)	$\pm 1.0\text{(F)}$
TCR ppm/ $^\circ\text{C}$ (code)	$3.3\Omega\sim 22\Omega: \pm 50\text{(Q)}$ $> 22\Omega: \pm 25\text{(E)}$
Operating Temp. Range	$-55\sim 155^\circ\text{C}$
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: $\pm 1.0\text{(F)}$
Resistance value
Temperature Coefficient of Resistance: $\pm 25\text{(E)}\pm 50\text{(Q)}$



RRS series, audio metal thin film chip resistors



Thin film realizes excellent dynamic range and sound quality

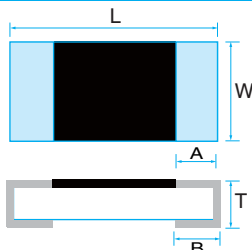
- Minimal current noise
- Special materials and structure using thin film produce "comfort" sound.

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)	$\pm 0.5\%\text{(D)}, \pm 0.1\%\text{(B)}$	$\pm 0.5\%\text{(D)}$
Resistance Range(Ω)	$100\sim 1\text{M}$	$100\sim 360\text{k}$
TCR ppm/ $^\circ\text{C}$ (code)	$\pm 25\text{(P)}$	$\pm 25\text{(P)}$
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