

# Audio thin film chip resistors (high precision)

■ RS series

AEC-Q200 Compliant

## Features

- Improved low noise thin film character even further
- Choice among the same resistance/size according to the user's sound preference
- Precision resistance tolerance:  $\pm 0.1\%$ , very small TCR:  $\pm 25\text{ppm}/^\circ\text{C}$

## Applications

- High quality audio equipment
- Automotive audio equipment
- Mobile audio equipment , smartphones

Thin film surface mount resistors

RS series

## ◆ Part numbering system

**RS 1005P - 102 - B - T10 - 3**

Series code

Size

Temperature coefficient of resistance

Nominal resistance value

Please contact our sales office  
for details.Packaging quantity:  
T5(5,000pcs), T10(10,000pcs)

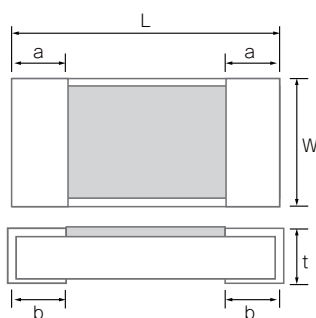
Resistance tolerance

## ◆ Electrical Specification

| Type   | Power ratings |         | Temperature coefficient of resistance | Resistance range( $\Omega$ )<br>Resistance tolerance |                | Maximum voltage | Resistance value series | Operating temperature                      | Packaging quantity |
|--------|---------------|---------|---------------------------------------|------------------------------------------------------|----------------|-----------------|-------------------------|--------------------------------------------|--------------------|
|        | Low           | Regular |                                       | $\pm 0.1\%(B)$                                       | $\pm 0.5\%(D)$ |                 |                         |                                            |                    |
| RS1005 | 1/32W         | 1/16W   | $\pm 25(P)$                           | $47 \leq R \leq 100K$                                |                | 75V             | E-6                     | $-55^\circ\text{C} \sim 155^\circ\text{C}$ | T5<br>T10          |
| RS2012 | 1/10W         | 1/8W    | $\pm 25(P)$                           | $47 \leq R \leq 100K$                                |                | 150V            |                         |                                            | T5                 |

\* Please contact our sales office for details.

## ◆ Dimensions



| Type   | Size (inch) | L                       | W                       | a               | b               | t                       |
|--------|-------------|-------------------------|-------------------------|-----------------|-----------------|-------------------------|
| RS1005 | 0402        | $1.00 \pm 0.10 / -0.05$ | $0.50 \pm 0.10$         | $0.20 \pm 0.10$ | $0.25 \pm 0.05$ | $0.35 \pm 0.05$         |
| RS2012 | 0805        | $2.00 \pm 0.20$         | $1.25 \pm 0.25 / -0.20$ | $0.40 \pm 0.20$ | $0.40 \pm 0.20$ | $0.40 \pm 0.15 / -0.10$ |

(unit : mm)

## ◆ Derating Curve

