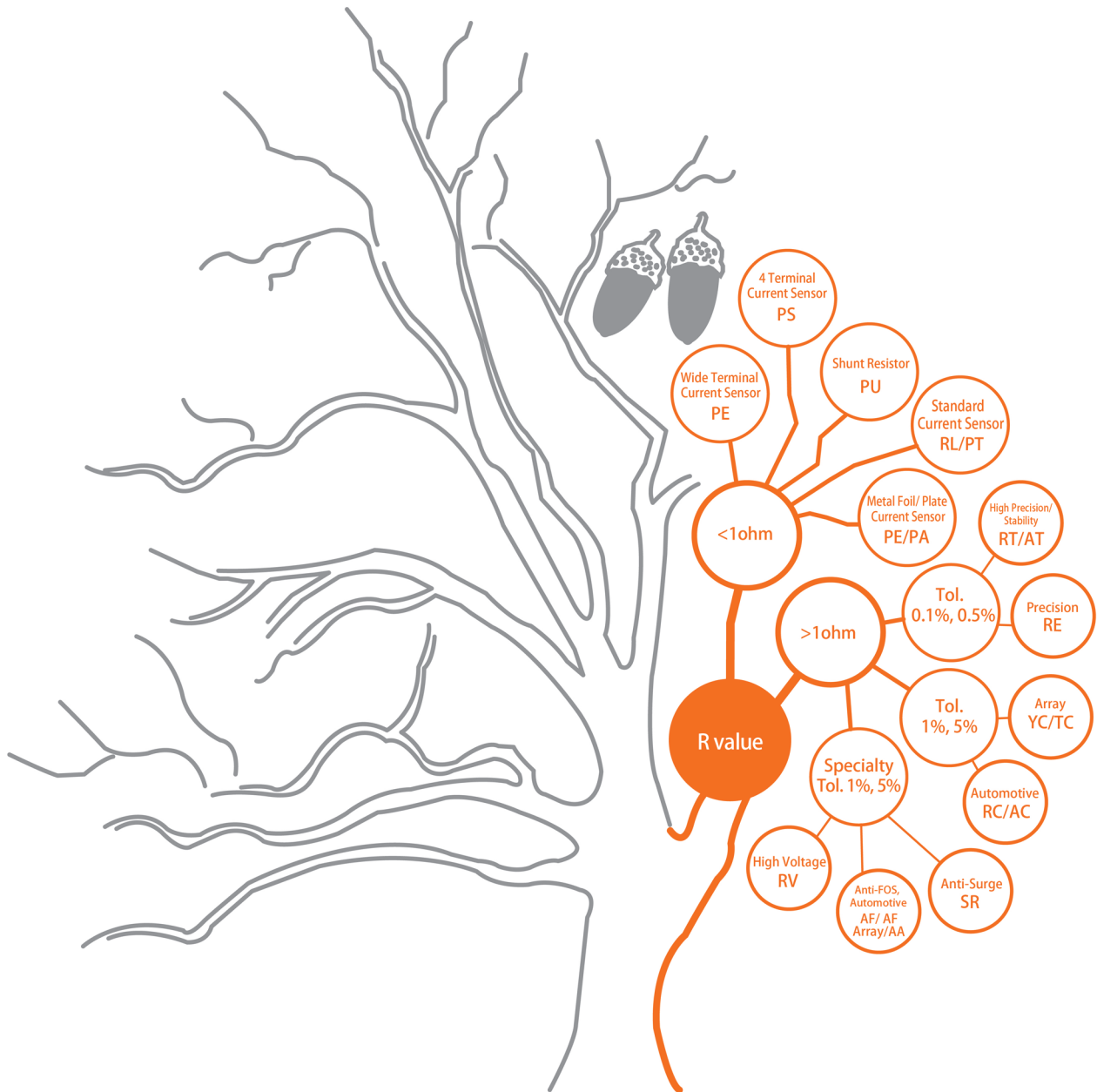


# R-CHIP



## R-Chip Introduction

Yageo is one of the largest global suppliers of chip resistors and serves various applications in major market segments, including automotive, industrial, alternative energy, and consumer electronics. Yageo provides a complete range chip resistors, covering automotive-grade metal current sensors, precision thin film, thick film surge, sulfur-resistant, high power, high voltage, arrays, miniature types 01005 and 0075, and more for total solution.

# Yageo's R-Chip Product Line-up

## Thick Film

### RC Series

General Purpose (0075 to 2512)

- AEC-Q200 qualified
- Temperature cycling:  $\pm 2\%$
- Ultra small size (0075/ 01005) available for smart phones and wearable devices



### AC Series

Automotive Grade, General Purpose (0201 to 2512)

- AEC-Q200 qualified
- Temperature cycling:  $\pm 1\%$
- Anti FOS:  $\pm 1\%$  (ASTM, 60°C/500hrs)
- Pulse load capability: better performance beyond EN140401-802
- Wide terminal available in 0612, 1020, 1225



## Thin Film

### RT Series

High Precision High Stability (0201 to 2512)

- AEC-Q200 qualified
- Low current noise
- Temperature cycling:  $\pm 0.5\%$
- Tight TCR (down to  $\pm 5\text{ppm}/^\circ\text{C}$ ) and tolerance (down to  $\pm 0.05\%$ )



### AT Series

Automotive Grade High Precision High Stability (0402 to 1206)

- AEC-Q200 qualified
- Low current noise
- Conductive layers contain NiCr, without Ag
- Anti FOS:  $\pm 4\%$  (ASTM, 105°C/750hrs)
- Temperature cycling:  $\pm 0.1\%$



## Current Sensor

### PA Series

Metal Plate Low TCR (0402, 0805, 1206, 2512)



- AEC-Q200 qualified
- High rated power : 1 ~ 3 W
- Precision current sensing control
- Operating temperature up to 170°C

### PE Series

Metal Foil Low TCR (0201 to 2512)



- AEC-Q200 qualified
- Broad resistance range and various case sizes
- Precision current sensing control
- Wide terminal available in 0508, 0612, 0815

### PU Series

Shunt Current Sensor (3921, 5931)



- AEC-Q200 qualified
- High rated power: 3 ~ 10 W
- Resistance down to 0.2mR
- Good heat dissipation
- Operating temperature up to 275°C

## Special Function

### AF Series

Sulfur Resistant (0201 to 2512)



- AEC-Q200 qualified
- Superior resistance against sulfur containing environment
- Anti FOS:  $\pm 4\%$  (ASTM, 105°C/750hrs)
- Temperature cycling:  $\pm 1\%$

### SR Series

Surge Resistant (0402 to 2512)



- AEC-Q200 qualified
- High rated power available
- Excellent anti-surge and pulse proof capability
- Temperature cycling:  $\pm 1\%$

### RV Series

High Voltage (0603 to 2512)



- AEC-Q200 qualified
- Higher maximum working voltage than other series (up to 500V)
- Provide safety and reliability in discharge, balancing