

ERA-xA Series Line Extension

High Reliability Metal/Thin Film Chip Resistors

Improving Accuracy and Reliability for High Precision Applications

Panasonic, a worldwide leader in Resistor Products, is expanding its successful line of high reliability nichrome metal/thin film chip resistors. New options include ultra low tolerances for Temperature Coefficient (TCR) and ultra low tolerance for nominal resistance, at 0.1W, 0.125W and 0.25W power rating, to provide a highly precise, controlled and reliable resistor solution to demanding designs.

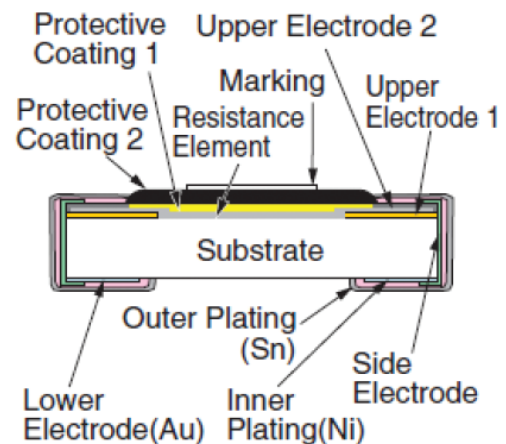
Features:

- Expanded power rating: 0.25W (case size 1206 inch), 0.125 W (case size 0805 inch), 0.1W (case size 0603 inch)
- Expanded resistance tolerance under select power rating: $\pm 0.05\%$, $\pm 0.1\%$
- Expanded temperature coefficient under select power rating: $\pm 10 \times 10^{-6}$ ppm/ $^{\circ}\text{C}$, $\pm 15 \times 10^{-6}$ ppm/ $^{\circ}\text{C}$
- Operating temperature range: $-55\text{ }^{\circ}\text{C}$ to $+155\text{ }^{\circ}\text{C}$
- Conforms to IEC 60115-8, JIS C 5201*8, EIAJ RC-233B
- RoHS compliant, supports 260 $^{\circ}\text{C}$ maximum temperature for lead-free soldering process

Benefits:

- High heat resistance: $\Delta R < 0.1\%$ at $155\text{ }^{\circ}\text{C}$, the upper limit of the category temperature range
- High humidity resistance: $\Delta R < 0.1\%$ at $85\text{ }^{\circ}\text{C}/85\% \text{ RH}$ under the rated load
- High precision: Tight TCR and resistance tolerance
- High performance: Low current noise, minimal non-linearity

Product Construction:



Additional Information:



For detailed specification information the ERA-xA Series Metal/Thin Film Chip Resistors Line Extension, please visit panasonic.com/industrial/components/pdf/ERA-xA_Datasheet.pdf today!

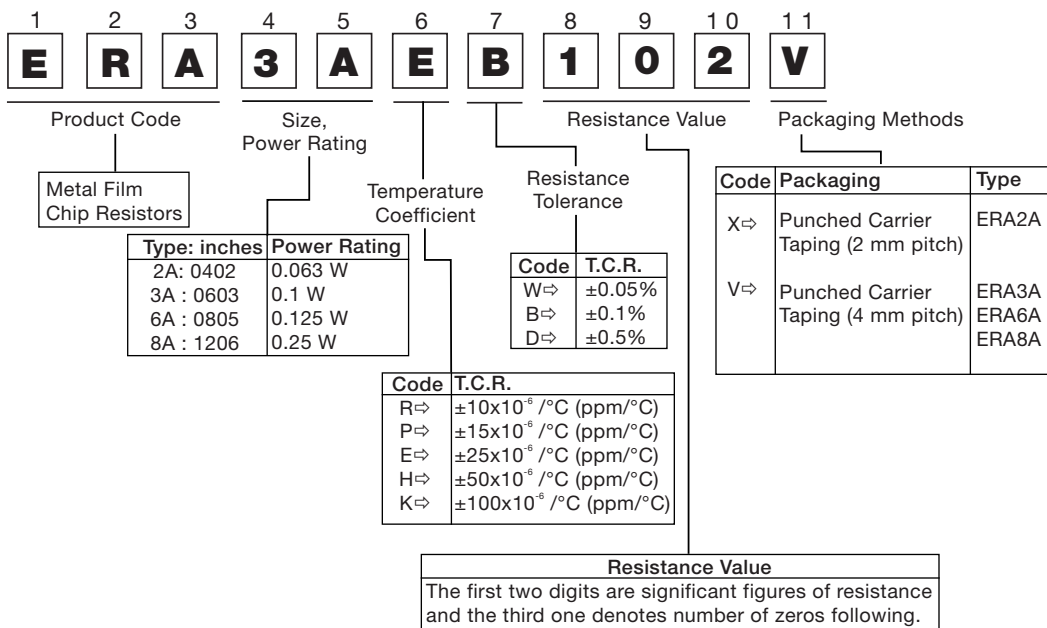
Website: panasonic.com/industrial/electronic-components/resistive-products/index.aspx

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Part Number Information:



Industries:

- Audio Video
- Automotive
- Industrial controls
- Measuring instruments

Applications:

- Amplifiers of sensor output
- Audio circuits
- Automotive electronics (ECU, charging/discharging control of hybrid systems)
- Battery management
- Control unit measurement
- DCDC converter
- High frequency circuit
- Inverter power supplies
- Traffic control