



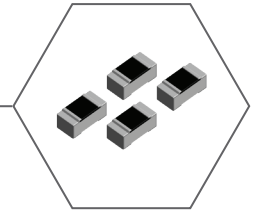
**THE DATASHEET OF  
ERA-3AEB9310V**





## Line Extension

# ERA Series Thin-Film Chip Resistors



Panasonic, a world leader in Resistive Products, is pleased to announce the expansion of the **ERA Series Thin-Film Chip Resistors**! These industry leading thin-film resistors have been expanded to include new offerings in 10ppm and 15ppm TCR, as well as 0402 inch (0.063W) and 1206 (0.25W) case sizes. The expanded values provide more specification options and higher performance accuracy to design engineers. Also introduced is a 0.05% tolerance option ("ERA-xxxW" type) for the 0402 size. Features include high reliability at high temperature and high humidity as well as high accuracy, low current noise, and excellent linearity. AEC-Q200 applicable, these thin-film chip resistors are even usable within demanding automotive applications.

## Features

- 85 °C 85 %RH rated load
- Category temperature range : -55 to +155 °C
- 10ppm, 15ppm, and 25ppm accuracy, 0.1% and 0.25% Tolerance
- Available in All Major Case Sizes
- RoHS/REACH151 Compliant

## Benefits

- High Reliability @ High Temperature & Humidity
- High-Accuracy and Low TCR
- Size Options are Expanded to Include All Major Case Sizes

## Applications

- Smartphones/Tablet PC
- Test and Measurement
- Automotive ECU, BMS, Divider Circuit

## Industries

- Telecommunications
- Industrial Electronics
- Automotive
- Home Appliance

## Part Number Information

**ERA - 1A E B 1020 V**

Series Case Size Temp. Coefficient Resistance Tolerance Resistance Packaging

Code	Size	Power Rating	Code	TCR	Code	Tolerance	Code	Packaging	Type
1A	0201	0.05W	R	±10x10 <sup>-4</sup> /°C	W	±0.05%	C	Pressed Carrier Tape 2mm Pitch, 15000 pcs	ERA1A
2A	0402	0.063W	P	±15x10 <sup>-4</sup> /°C	B	±0.1%	X	Punched Carrier Tape 2mm Pitch, 10000 pcs	ERA2A
3A	0603	0.1W	E	±25x10 <sup>-4</sup> /°C	C	±0.25%			
6A	0805	0.125W	H	±50x10 <sup>-4</sup> /°C	D	±0.5%	V	Punched Carrier Tape 4mm Pitch, 5000 pcs.	ERA3A ERA6A ERA8A
8A	1206	0.25W	K	±100x10 <sup>-4</sup> /°C					

**Resistance Value**

Consist of three figures for E24 series resistance value or four figures for E96 resistance value. The first two digits (three digits for E96) are significant figures of resistance and the last digit denotes number of zeros following.  
Example: 102 → 1 kΩ, 1051 → 1.05 kΩ

For detailed specification information on the ERA Series, visit our website at:  
[na.industrial.panasonic.com/products/resistors-inductors/resistors](http://na.industrial.panasonic.com/products/resistors-inductors/resistors)



## Looking for pricing, stock, or lifecycle information?

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