



### Surface Mount End-Banded Chip Thermistors 0603 Style

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#### U.S. Sensor

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U.S. Sensor's surface mount end-banded thermistor elements are designed for use on hybrid substrates, integrated circuits or printed circuit boards. They have a solder coated metallization which is suitable for various contact techniques including wire bond, epoxy or solder. Since they are manufactured using the most advanced equipment and technology available, their dimensional parameters are extremely uniform making the devices especially suitable for use with automatic handling and placement equipment.



#### Features

- Surface mountable
- Small size
- Low cost

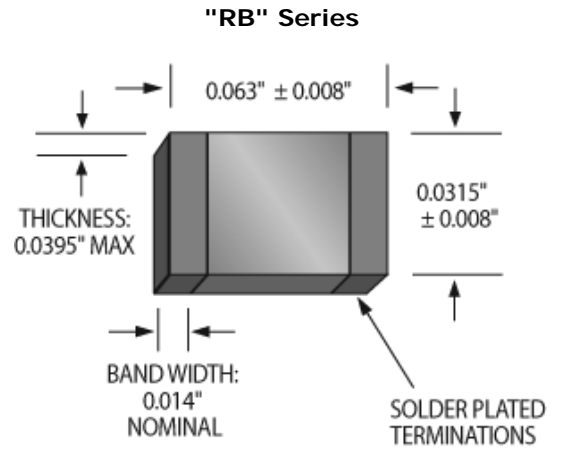
- Nickel Barrier
- Rated to 125°C operating temperature

#### Options

- Non-standard resistance values and tolerances
- Special electrode materials
- Special dimensions
- Tape and reel packaging
- Solder coated metallization

#### Specifications

- Thermal time constant: 10 seconds max
- Dissipation constant: 1 mW/°C



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### SURFACE MOUNT END BANDED CHIP THERMISTORS 0603 STYLE (125°C)

| Part Number | Resistance Ohms @25°C | * Resistance Tol. ± % | Beta (K) 25-85°C | View R-T Chart             |
|-------------|-----------------------|-----------------------|------------------|----------------------------|
| RB501DOJ    | 500                   | 5                     | 3200             | <a href="#">View Chart</a> |
| RB102DOJ    | 1000                  | 5                     | 3250             | <a href="#">View Chart</a> |
| RB252LOJ    | 2500                  | 5                     | 4100             | <a href="#">View Chart</a> |
| RB502FOJ    | 5000                  | 5                     | 3550             | <a href="#">View Chart</a> |
| RB103EOJ    | 10000                 | 5                     | 3435             | <a href="#">View Chart</a> |
| RB103GOJ    | 10000                 | 5                     | 3750             | <a href="#">View Chart</a> |
| RB103JOJ    | 10000                 | 5                     | 3976             | <a href="#">View Chart</a> |
| RB103KOJ    | 10000                 | 5                     | 4000             | <a href="#">View Chart</a> |
| RB303KOJ    | 30000                 | 5                     | 4000             | <a href="#">View Chart</a> |
| RB503KOJ    | 50000                 | 5                     | 4000             | <a href="#">View Chart</a> |
| RB104LOJ    | 100000                | 5                     | 4150             | <a href="#">View Chart</a> |
| RB204ROJ    | 200000                | 5                     | 4250             | <a href="#">View Chart</a> |

\* Resistance tolerances  $\pm$  1%, 2%, 3% and 10% are available upon request.

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