

**RB Series 0603 End-Banded Chip Thermistors**



**Description**

Littelfuse 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.

**Options**

- Non-standard resistance values and tolerances
- Tape and reel packaging
- Solder coated metallization

**Dimensions**



Dimensions shown in inches.

A	B	C	D
0.0395" Max	0.063" ± 0.008"	0.0315" ± 0.008"	0.014" Nom

**Features**

- Surface mountable
- Small size
- Low cost
- Nickel Barrier

**Part Numbering System**



Note: Not all combinations of Part Number codes are available. Contact Littelfuse for details.

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### Specifications

Part Number	Resistance Ohms @25°C	*Resistance Tol. ± % @ 25°C	Temperature Coefficient (% / °C) @ 25°C	Beta (K) 0-50°C	Beta (K) 25-85°C	Maximum Power Rating (mW)	Temperature Rating (°C)
RB102D0J	1000	5	-	-	3250	150	-40 to +125
RB222E0J	2200	5	-	-	3435	-	-40 to +125
RB252L0J	2500	5	-	-	4100	150	-40 to +125
RB502F0J	5000	5	-	-	3550	150	-40 to +125
RB103E0J	10000	5	-	-	3435	150	-40 to +125
RB103G0J	10000	5	-	3712	3750	150	-40 to +125
RB103J0J	10000	5	-4.4	-	3976	-	-40 to +125
RB103K0J	10000	5	-	-	4000	150	-40 to +125
RB303K0J	30000	5	-	-	4000	150	-40 to +125
RB503K0J	50000	5	-	-	4000	150	-40 to +125
RB104L0J	100000	5	-	-	4150	150	-40 to +125
RB204R0J	200000	5	-	-	4250	150	-40 to +125

\*Resistance tolerances of ± 1%, 2%, and 5% are available upon request

### Packaging

Packaging Option	Packaging Code	Standard
Tape and Reel	-TR / -2	EIA-481

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