

# 電流検出用金属板抵抗器

## Current Detecting Metal Plate Resistor

定格0.2～10Wまでのラインナップを揃えています。小型2012サイズで1.5mΩ、抵抗値偏差±1%対応しております。  
A lineup with a rating of 0.2 to 10 W is available. The small 2012 size supports 1.5mΩ and resistance deviation ± 1%.

### Features

- 抵抗体に金属板を使用しているため、電気的特性に優れています  
Superior electrical characteristic by metal plate resistor body
- 大電流の検出に適しています  
Suitable for large current detection

### Specification

Model No. LE\*\*\*

| Model No. | Size Code (mm) | Size(mm) |      | Dimensions | Rated Power (W) | Resistance Range (mΩ) |
|-----------|----------------|----------|------|------------|-----------------|-----------------------|
|           |                | L        | W    |            |                 |                       |
| LERE10    | 2012           | 2.0      | 1.25 |            | 0.2             | 5                     |
| LERE20    | 3216           | 3.2      | 1.6  |            | 0.5             | 3 ~ 15                |
| LEMA32    | 3216           | 3.2      | 1.6  |            | 1.0             | 1~50                  |

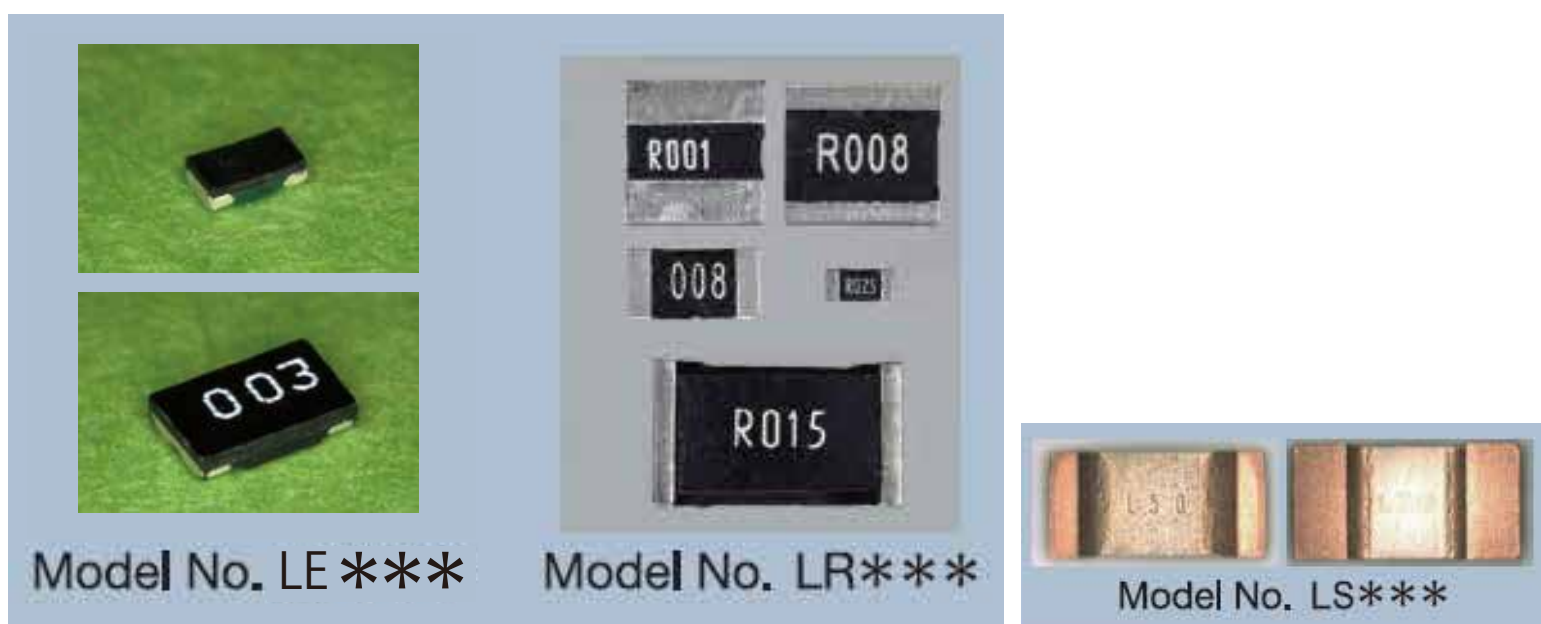
Model No. LS\*\*\*

| Model No. | Size Code (mm) | Size(mm) |      | Dimensions | Rated Power (W) | Resistance Range (mΩ) |
|-----------|----------------|----------|------|------------|-----------------|-----------------------|
|           |                | L        | W    |            |                 |                       |
| LS64      | 6432           | 6.5      | 3.25 |            | 3               | 0.3~2                 |
| LS100     | 10052          | 10.2     | 5.2  |            | 5               | 0.2~1                 |
| LS1506    | 15078          | 15       | 7.75 |            | 6               | 0.5, 1                |
| LS1507    | 15078          | 15       | 7.75 |            | 7               | 0.3                   |
| LS15010   | 15078          | 15       | 7.75 |            | 10              | 0.2                   |

Model No. LR\*\*\*

| Model No. | Size Code (mm) | Size(mm) |      | Dimensions | Rated Power (W) | Resistance Range (mΩ) |
|-----------|----------------|----------|------|------------|-----------------|-----------------------|
|           |                | L        | W    |            |                 |                       |
| LR10      | 1005           | 1.0      | 0.5  |            | 0.2             | 5                     |
| LR20      | 2012           | 2.0      | 1.25 |            | 0.5             | 3 ~ 15                |
| LR32      | 3216           | 3.2      | 1.6  |            | 1.0             | 1~50                  |
| LR641     | 6432           | 6.4      | 3.2  |            | 1.0             | 1~100                 |
| LR642     | 6432           | 6.4      | 3.2  |            | 2.0             | 0.5~75                |
| LR643     | 6432           | 6.4      | 3.2  |            | 3.0             | 0.5~10                |
| LR68      | 6865           | 6.8      | 6.5  |            | 3.0             | 0.25~3                |
| LR72      | 6772           | 6.7      | 7.2  |            | 3.0             | 4~100                 |
| LR1145    | 11469          | 11.4     | 6.9  |            | 5.0             | 1~120                 |

※抵抗値によって端子寸法は異なりますのでお問い合わせください  
Since terminal dimension differs depending on resistance ,please inquire us.

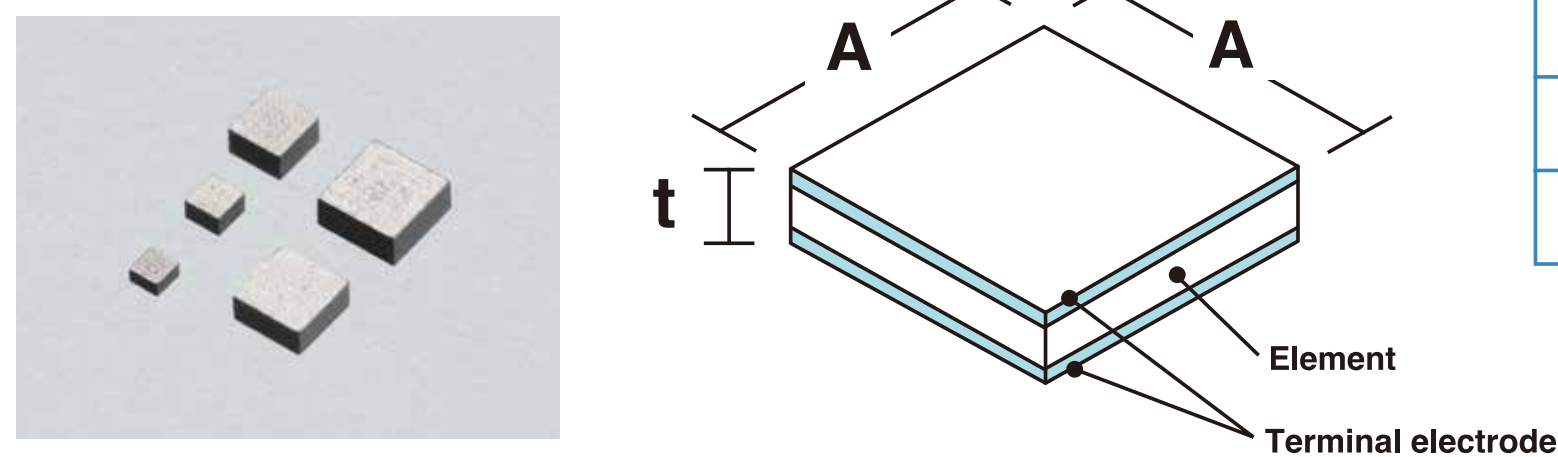


# NTCサーミスタ NTC Thermistor

## サーミスタ素子 Thermistor Element

### Features

高精度 High precision  
高信頼性 High reliability



| 型番<br>Model No. | 抵抗値<br>Resistance R25°C(Ω) | 抵抗値許容差<br>Resistance Tolerance | B 定数<br>B-constant<br>B25 / 85 (K) | B 定数許容差<br>B-constant<br>Tolerance | B 定数※1<br>B-constant<br>B25 / 85 (K) | 寸法 (mm)<br>Dimension |             |
|-----------------|----------------------------|--------------------------------|------------------------------------|------------------------------------|--------------------------------------|----------------------|-------------|
|                 |                            |                                |                                    |                                    |                                      | A                    | t           |
| HST12           | 2k<br>~<br>200k            | ± 0.5 %<br>± 1.0 %<br>± 2.0 %  | 3270<br>~<br>4400                  | ± 0.5 %<br>± 1.0 %<br>± 2.0 %      | 3315<br>~<br>4450                    | 1.2 ± 0.1            | 0.45 ± 0.07 |
| HST10           |                            |                                |                                    |                                    |                                      | 1.0 ± 0.1            | 0.45 ± 0.07 |
| HST08           |                            |                                |                                    |                                    |                                      | 0.8 ± 0.1            | 0.45 ± 0.07 |
| HST05           |                            |                                |                                    |                                    |                                      | 0.5 ± 0.05           | 0.32 ± 0.05 |
| HST04           |                            |                                |                                    |                                    |                                      | 0.4 ± 0.05           | 0.32 ± 0.05 |

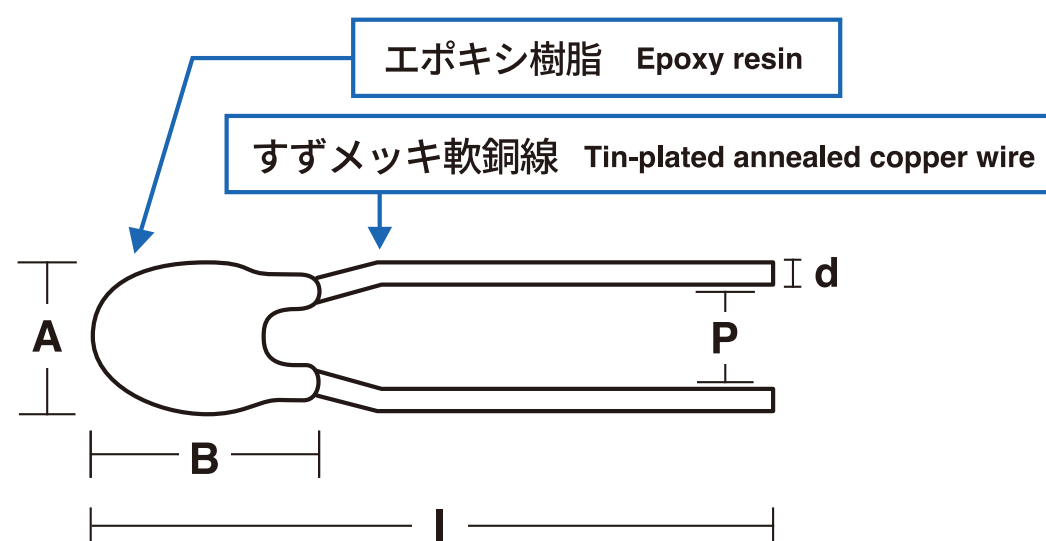
## 樹脂コートラジアル（松葉）タイプ Resin-coated Radial (Pine Needle) Type

### Features

高精度 High precision  
高防湿性（耐煮沸性） High moisture resistance (Boiling resistance)



| 寸法 / Size |           |
|-----------|-----------|
| HNT-EC3   |           |
| A [mm]    | 3MAX      |
| B [mm]    | 6MAX      |
| L [mm]    | 10.5 ± 1  |
| d [mm]    | 0.4       |
| P [mm]    | 1.8 ± 0.3 |



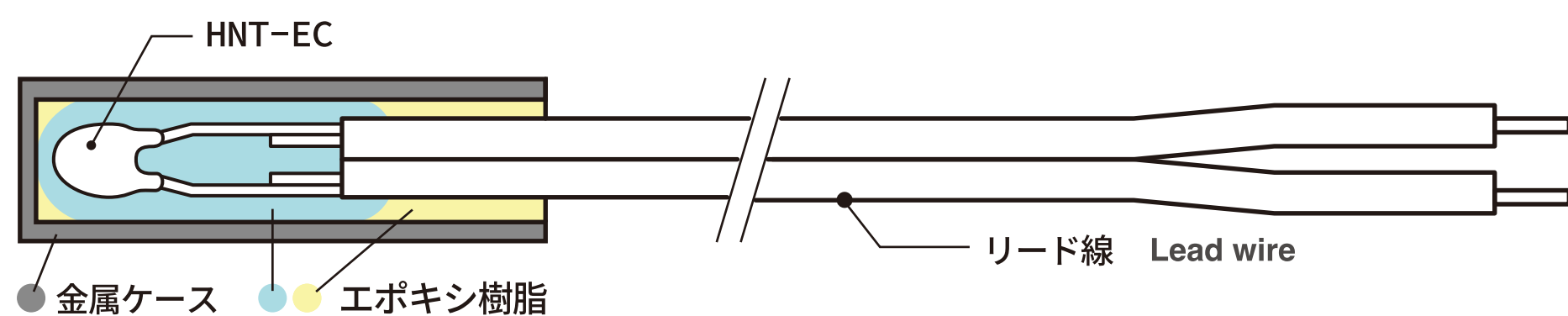
|                                                   |                         |
|---------------------------------------------------|-------------------------|
| 使用温度範囲 Operating temperature                      | - 40℃～125℃              |
| 定格電力 Rated wattage                                | 350mW                   |
| 熱放散定数 (25℃気中) Dissipation constant(at 25℃ in air) | 3.5mW/℃                 |
| 熱時定数 Thermal time constant                        | 3s MAX (液中 / in liquid) |

### 煮沸試験 Boiling test

100℃ ( 煮沸水 / boiling water ), 1000hr ± 24hr, DC5V

煮沸試験は下記センサ構造での試験となります

Boiling test is a test of the sencer structure as folloes.



### 抵抗値変化率 Rate of resistance change | ΔR | < 3%

煮沸騰試験 Boiling test

