**NRSA Series**
SMD Power Inductors For Automotive
Size 3012B

**FEATURES**

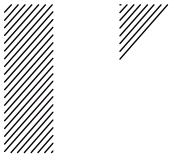
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**APPLICATION**

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Dimensions: [mm]

Land Pattern: [mm]



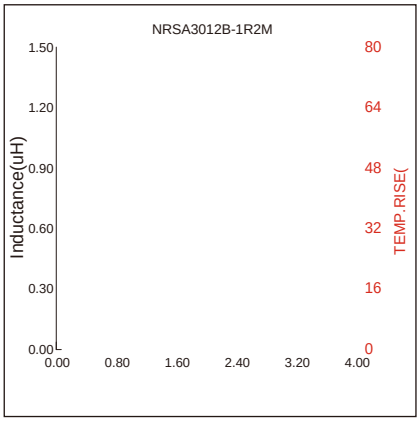
**KOHER Electronics**
**F9, No. 4188, Huaning Rd, M**
**021-34753361 Contact@koh**

Electrical Properties:

| Part No | Inductance @ 100KHz/1V | Tolerance | Temperature Rise Current Typ. (A) | Temperature Rise Current Max. (A) | Current Typ. (A) | Current Max. (A) | DC Resistance ±20% |
|---|---|---|---|---|---|---|---|
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Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

## Typical Electrical Characteristics:



## Soldering Reflow:

Preheat condition: 150 ~200℃/ 60~120 sec.

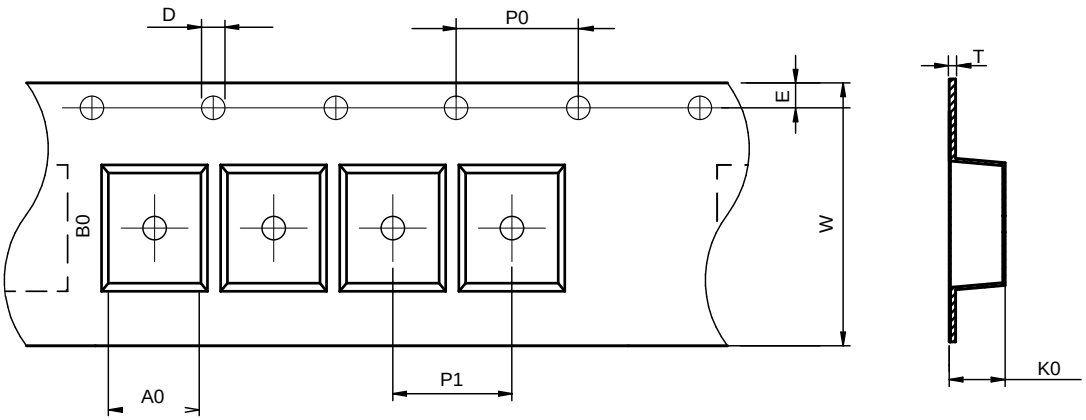
Allowed time above 217℃: 60~90 sec.

Max temperature: 260℃.

Allowed Reflow time: 2x max.

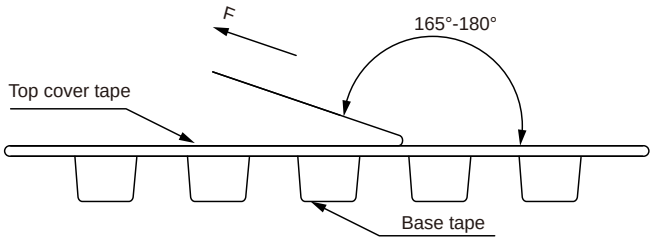
## Packaging Information:

### Tape Dimension:



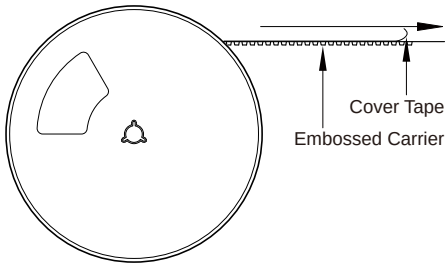

| Series | A0 (mm) | B0 (mm) | D (mm) | P0 (mm) | P1 (mm) | W (mm) | K0 (mm) | E (mm) | T (mm) |
|---|---|---|---|---|---|---|---|---|---|
| NRSA3012B | 3.3±0.1 | 3.3±0.1 | 1.5±0.1 | 4.0±0.1 | 4.0±0.1 | 8.0±0.1 | 1.4±0.1 | 1.75±0.1 | 0.23±0.05 |

### Peel force of top cover tape:




The peel force of top cover tape shall be between 0.3 to 1.17 N

Reel Dimension：[mm]




Packaging Quantity: