# SDDA Series

SMD Shielded Power Inductor

Size 1280



### FEATURES

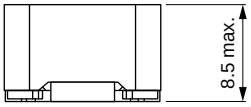
- Low loss realized with low DCR.
- High performance realized by metal dust core.
- 100% Lead(Pb)-Free and RoHS compliant.
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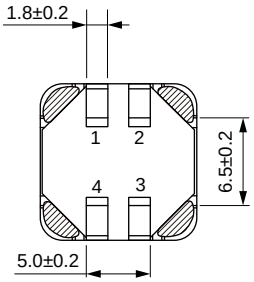
### APPLICATION

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- HVAC
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- Audio subsystem
- Digital instrument cluster
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- SEPIC circuit

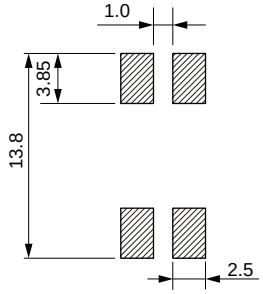
## Dimensions: [mm]



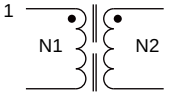



## Land Patterns: [mm]

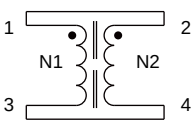



## Schematic:






Series




Parallel

**KOHER Electronic**
**4546 BATES DRIVE, YORBLINDA CA 92886 USA**
**714-325-4789 Contact@kohergroup.com**

## Electrical Properties:

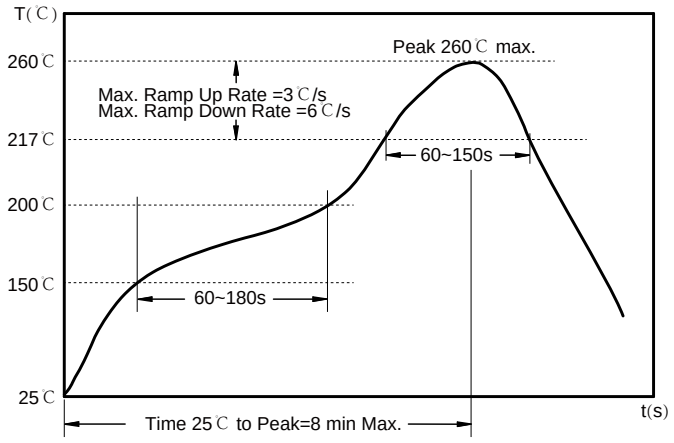
| Part No | Inductance @ 100KHz/0.1V | Tolerance | Temperature Rise Current Typ. | | DC Resistance Max. | Hi-POT |
|---|---|---|---|---|---|---|
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## Typical Electrical Characteristics:



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## Soldering Reflow:




Preheat condition: 150 ~200℃/ 60~180 sec.

Allowed time above 217℃: 60~150 sec.

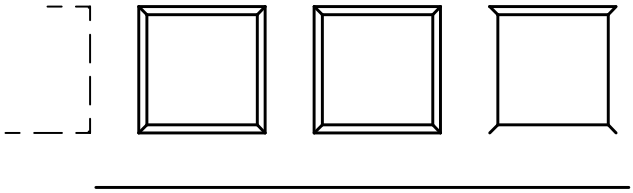
Max temperature: 260℃.

Max time at max temperature: 5 sec.

Allowed Reflow time: 3x max.

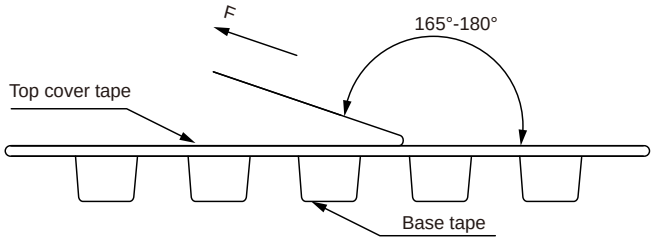
## Packaging Information:

### Tape Dimension:



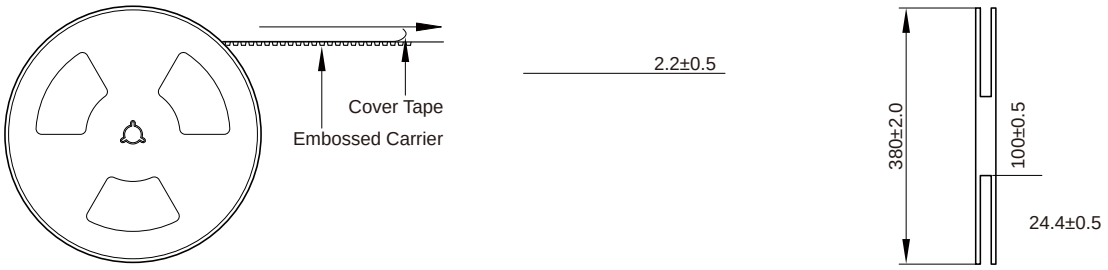
| Series | A0 (mm) | B0 (mm) | D (mm) | P0 (mm) | P1 (mm) | W (mm) | K0 (mm) | E (mm) | T (mm) |
|---|---|---|---|---|---|---|---|---|---|
| SDDA1280 | 12.5±0.1 | 12.5±0.1 | 1.5±0.1 | 4.0±0.1 | 20.0±0.1 | 24.0±0.3 | 8.4±0.1 | 1.75±0.1 | 0.50±0.05 |

### Peel force of top cover tape:




The peel force of top cover tape shall be between 0.1 to 1.3 N

Reel Dimension：[mm]




Packaging Quantity:

500 Pcs/Reel　　2 Reel /Inner box( 1000 Pcs)