SDDA Series

SMD Shielded Power Inductor

Size 1280



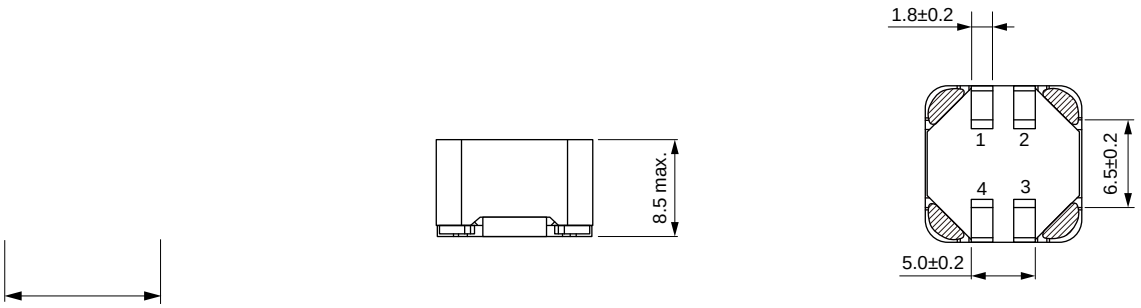
FEATURES

- Low loss realized with low DCR.
- High performance realized by metal dust core.
  Ultra low buzz noise, due to composite construc on.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Opera ng temperature: -50 to +150 °C (including self-temperature rise)
- Quan ty: 500PCS

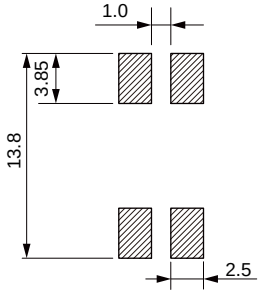
APPLICATION

- Headlamps, tail lamps and interior ligh ng
- HVAC
- Doors, window li and seat control
- Audio subsystem
- Digital instrument cluster
- In-Vehicle Infotainment and naviga on
- SEPIC circuit

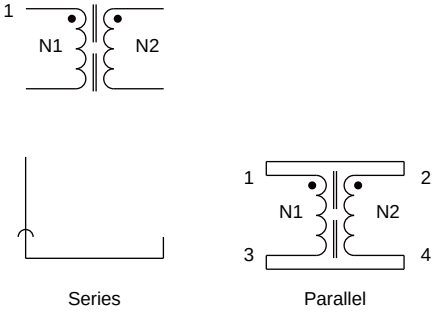
Dimensions: [mm]



Land Patterns: [mm]



Schematic:



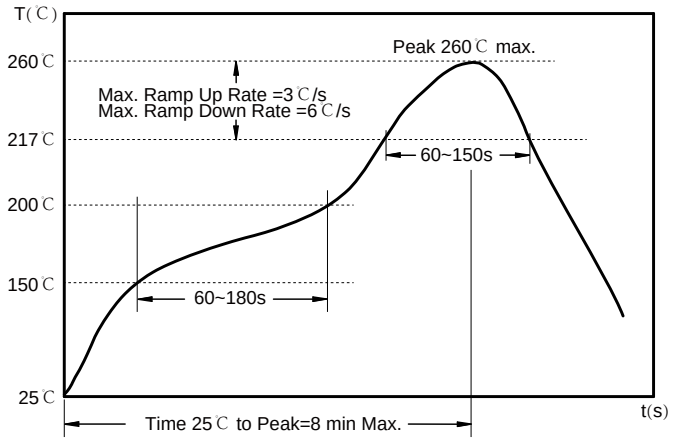
Electrical Properties:

Part No	Inductance @ 100KHz/0.1V (μH)	Tolerance	Temperature Rise Current Typ. (A)		DC Resistance Max. (mΩ)	Hi-POT

Typical Electrical Characteristics:

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

Soldering Reflow:



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

Allowed time above 217℃: 60~150 sec.

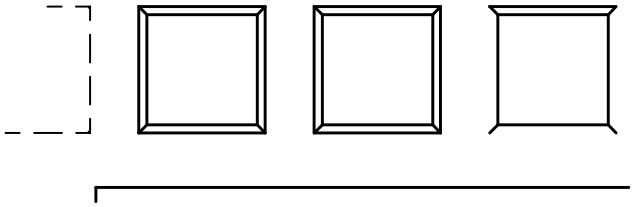
Max temperature: 260℃.

Max time at max temperature: 5 sec.

Allowed Reflow time: 3x max.

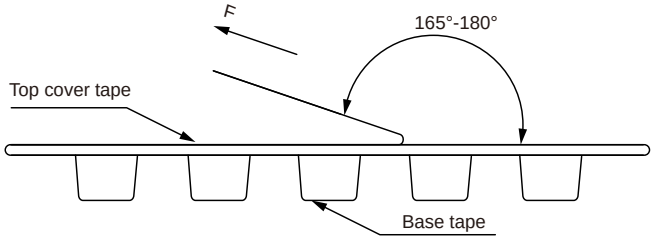
Packaging Information:

Tape Dimension:



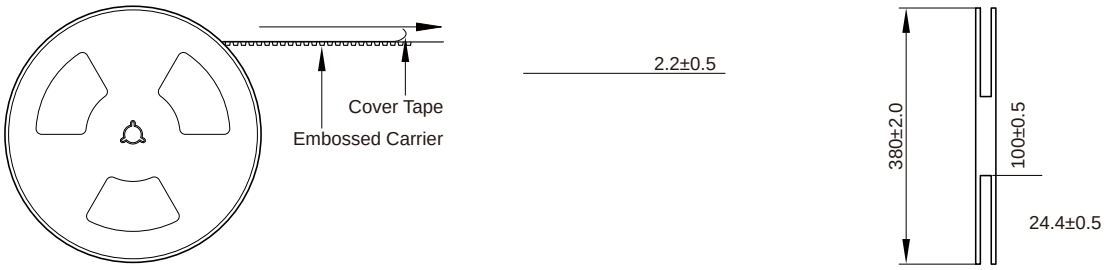
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
SDDA1280	12.5±0.1	12.5±0.1	1.5±0.1	4.0±0.1	20.0±0.1	24.0±0.3	8.4±0.1	1.75±0.1	0.50±0.05

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)