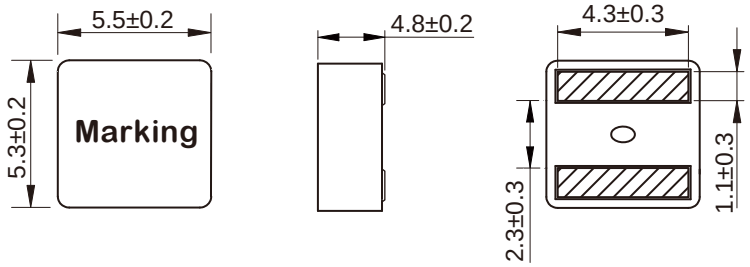
Flat Wire Molded Inductor
Size 5050



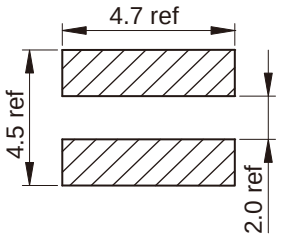
-
- Composoite core material allows high satura on currents
- Very low acous c noise and very low leakage flux noise
- n apability and handles high t ansien n k
- C-Q200 qualified
- Opera ng temperature -55 to +155℃(Including self - temperature rise)
- Quan ty: 1500pcs

- DC/DC converters for entertainment/naviga on systems
  ession s: windshield
  power mirrors / hea ng and ven la on blowers / HID ligh ng
- LED driv

Dimensions: [mm]



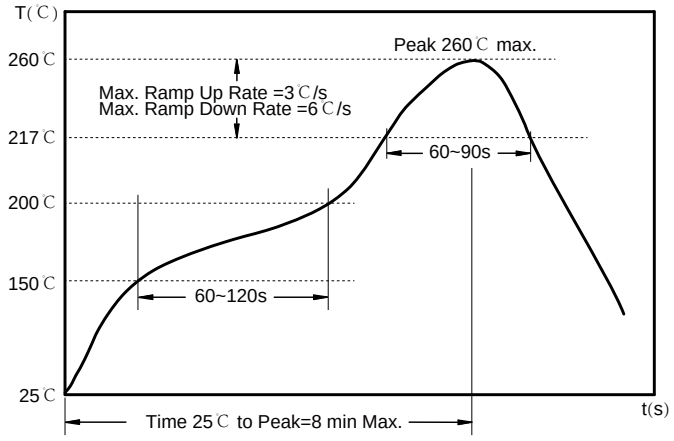
Land Pattern: [mm]



Electrical Properties:

Saturation Current will cause L to drop approximately 30%
Temperature Rise Current that causes the specified temperature rise from 25°C ambient.

Soldering Reflow:



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

Allowed time above 217℃: 60~90 sec.

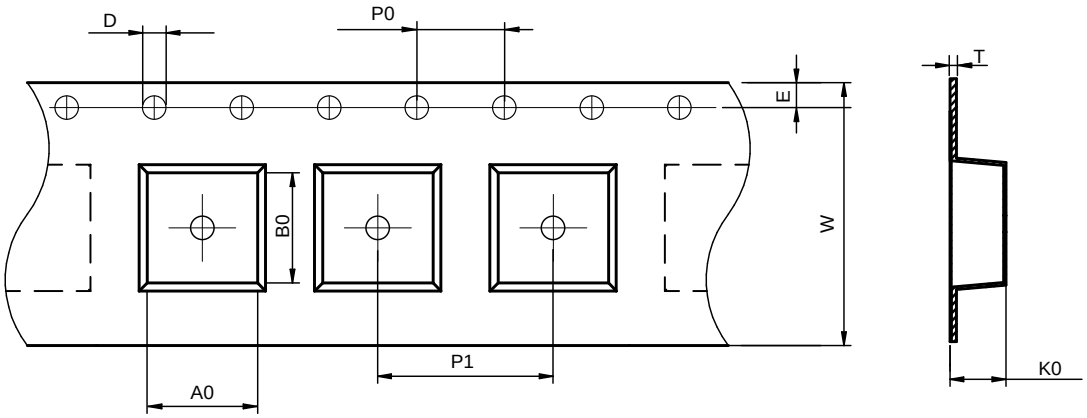
Max temperature: 260℃.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

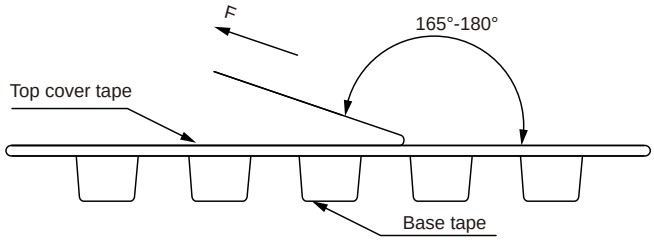
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTA5050	6.0±0.1	5.7±0.1	1.5±0.1	4.0±0.1	8.0±0.1	16.0±0.3	5.3±0.1	1.75±0.1	0.40±0.05

Peel force of top cover tape:

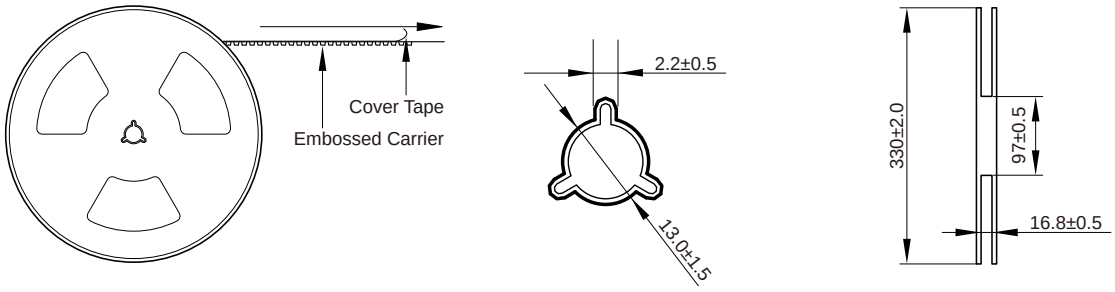


The peel force of top cover tape shall be between 0.1 to 1.3 N

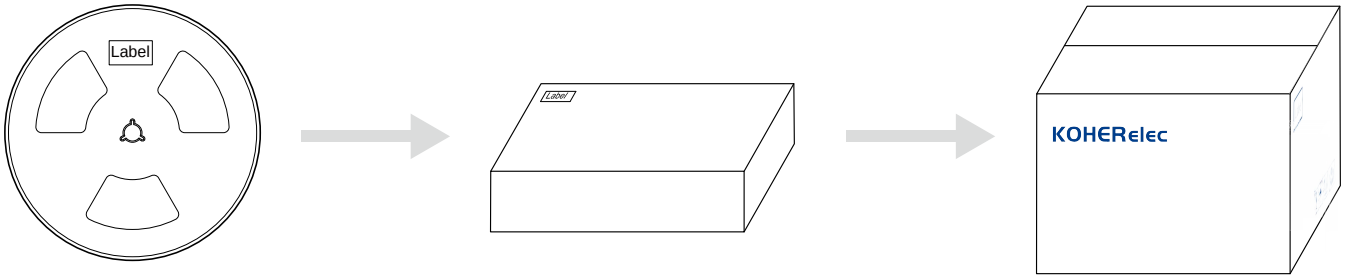
Product Marking:

Marking	Printing (Inductance)

Reel Dimension：[mm]



Packaging Quantity:



1500 Pcs/Reel

3 Reel /Inner box(4500 Pcs)

3 Inner box/Carton box(13.5K Pcs)

Cautions and Warnings:

Storage Conditions：

- The storage period is within 12 months after the completion of production. Be sure to follow the storage conditions (temperature: -5 to 35°C, humidity: 75% RH Max).If the storage period elapses, the soldering of the terminal electrodes may deteriorate.The warranty period is one year.
- Product should not be exposed to environment with high temperature, high humidity, dust, corrosive gas and etc.
- Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- Please always handle products carefully to prevent any damage caused by dropping down or inappropriate removing.

Operation Instructions:

- Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- Before soldering, be sure to preheat components.The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.
- Soldering corrections after mounting should be within the range of the conditions determined in the specifications.If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
- Generally, Koher might not be familiar with either customer's specific application or actual requests as customer does.As a result customer shall be responsible for checking and confirming whether Koher product with the performance described in the product specification is suitable for using in customer's particular application or not.