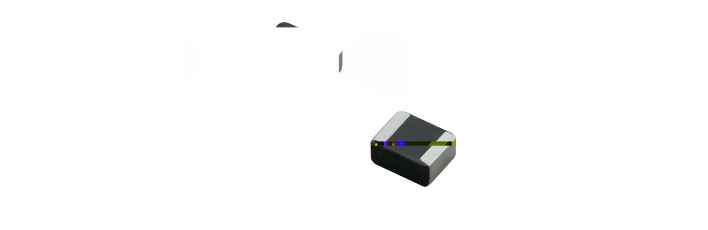


MDE Series

Molding Power Inductors

Size 252010S



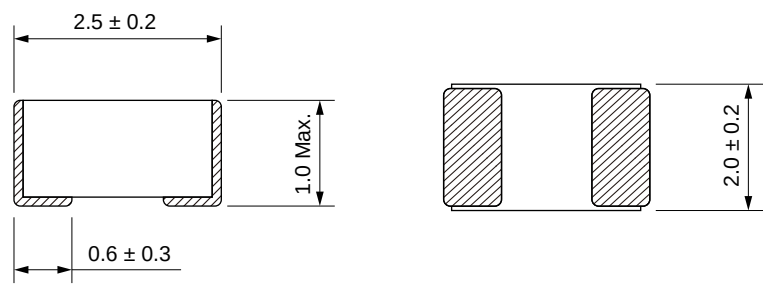
FEATURES

- High saturation current realized by material properties
-
-
-
-

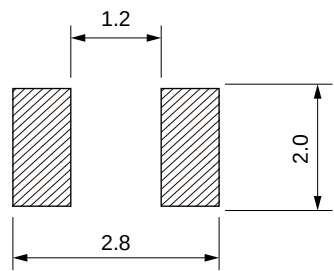
APPLICATION

-
-
-
-

Dimensions: [mm]



Land Pattern: [mm]

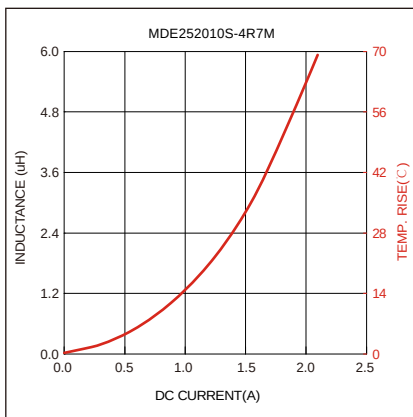
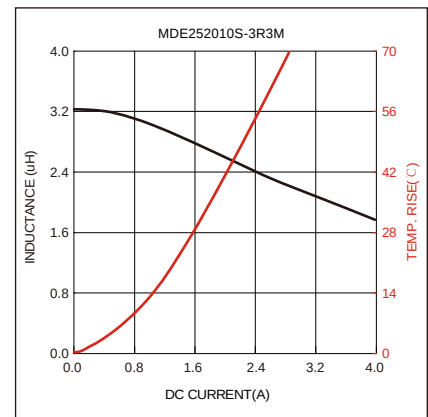
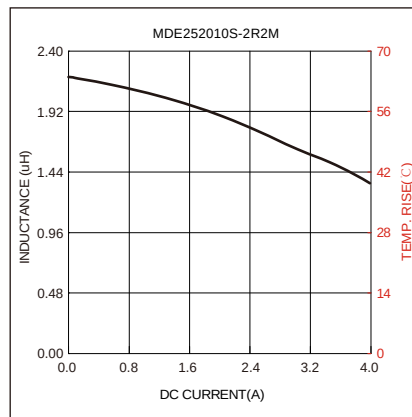
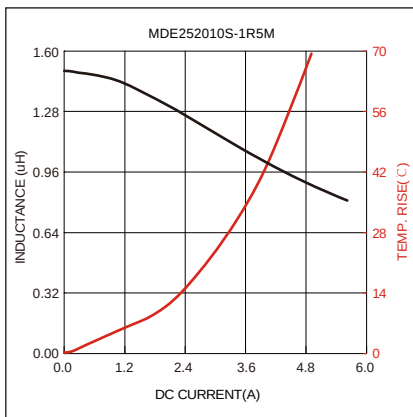
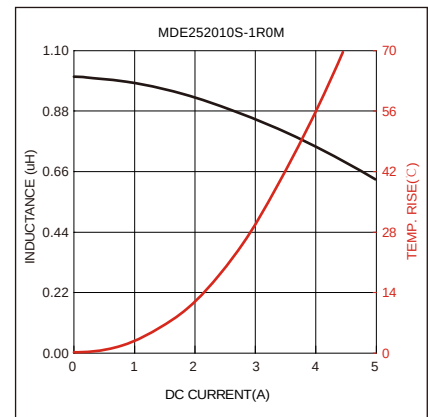
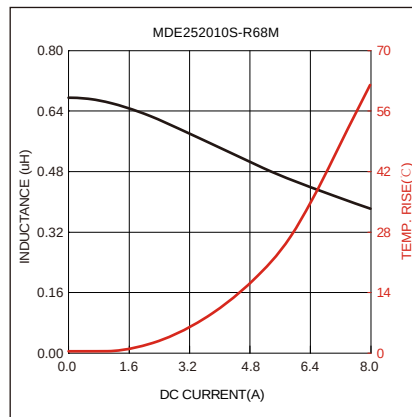
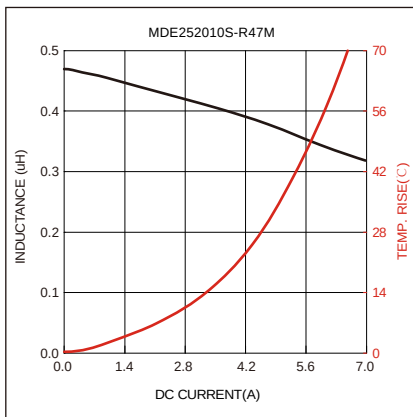
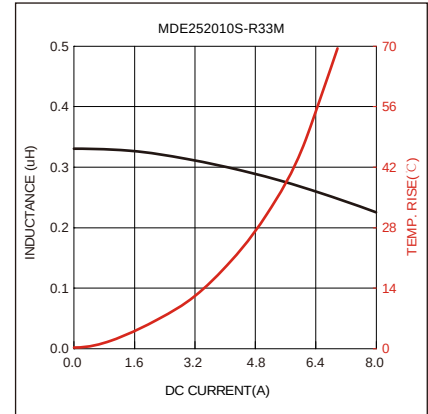
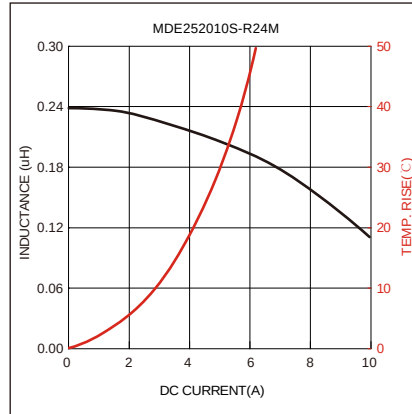
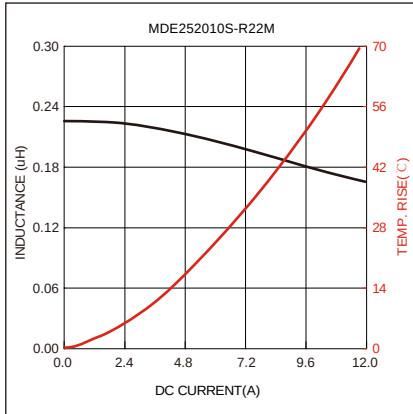


Electrical Properties:

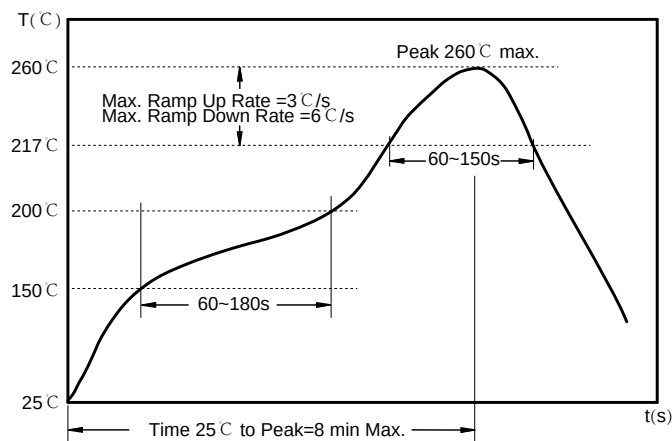
Temperature rising current will cause the coil temperature approximate $\Delta T40\text{ }^{\circ}\text{C}$

Saturation current will cause to drop approximately 30 %

Typical Electrical Characteristics:



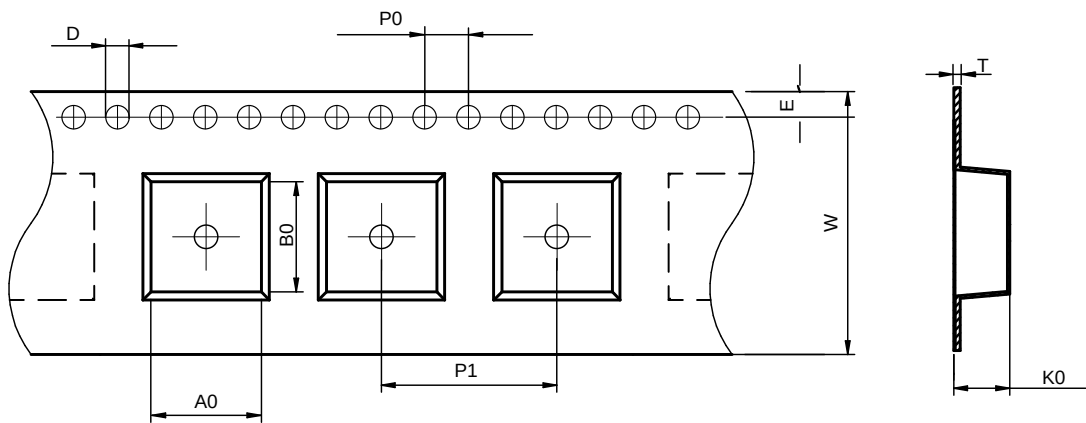
Soldering Reflow:



Preheat condition: 150 ~200 °C / 60~180 sec.
Allowed time above 217 °C : 60~150 sec.
Max temperature: 260 °C .
Time within 5 °C of actual Peak Temperature: 20-40 sec.

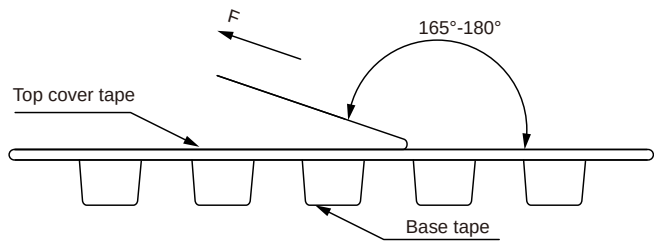
Packaging Information:

Tape Dimension:



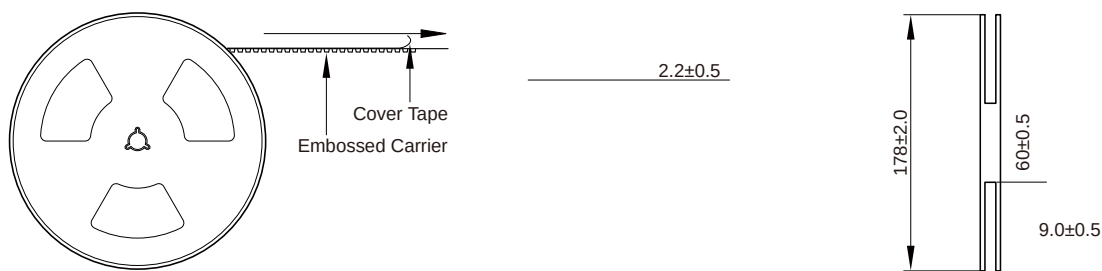
	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
05	2.25±0.05	2.8±0.1	1.5±0.1	4.0±0.1	4.0±0.1	8.0±0.1	1.35±0.1	1.75±0.1	0.22±0.05

Force of top cover tape:

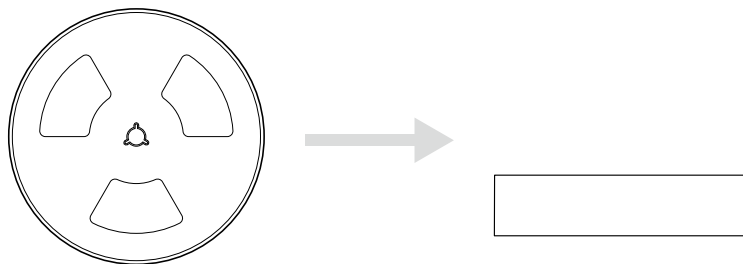


The peel force of top cover tape shall be between 0.1 to 1.3 N

Reel Dimension: [mm]



Packaging Quantity:



3000 Pcs/Reel

5 Reel /Inner box(15K Pcs)

8 Inner box/Carton box(120K 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.