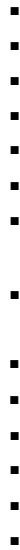
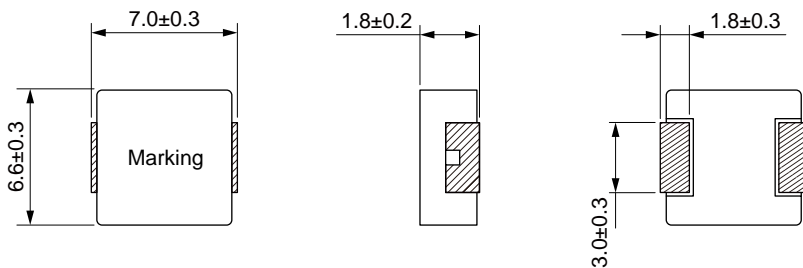


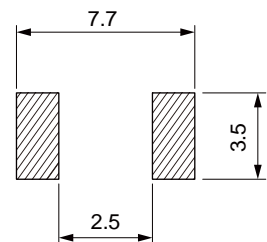
SMD Power Inductor Size 6020



Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

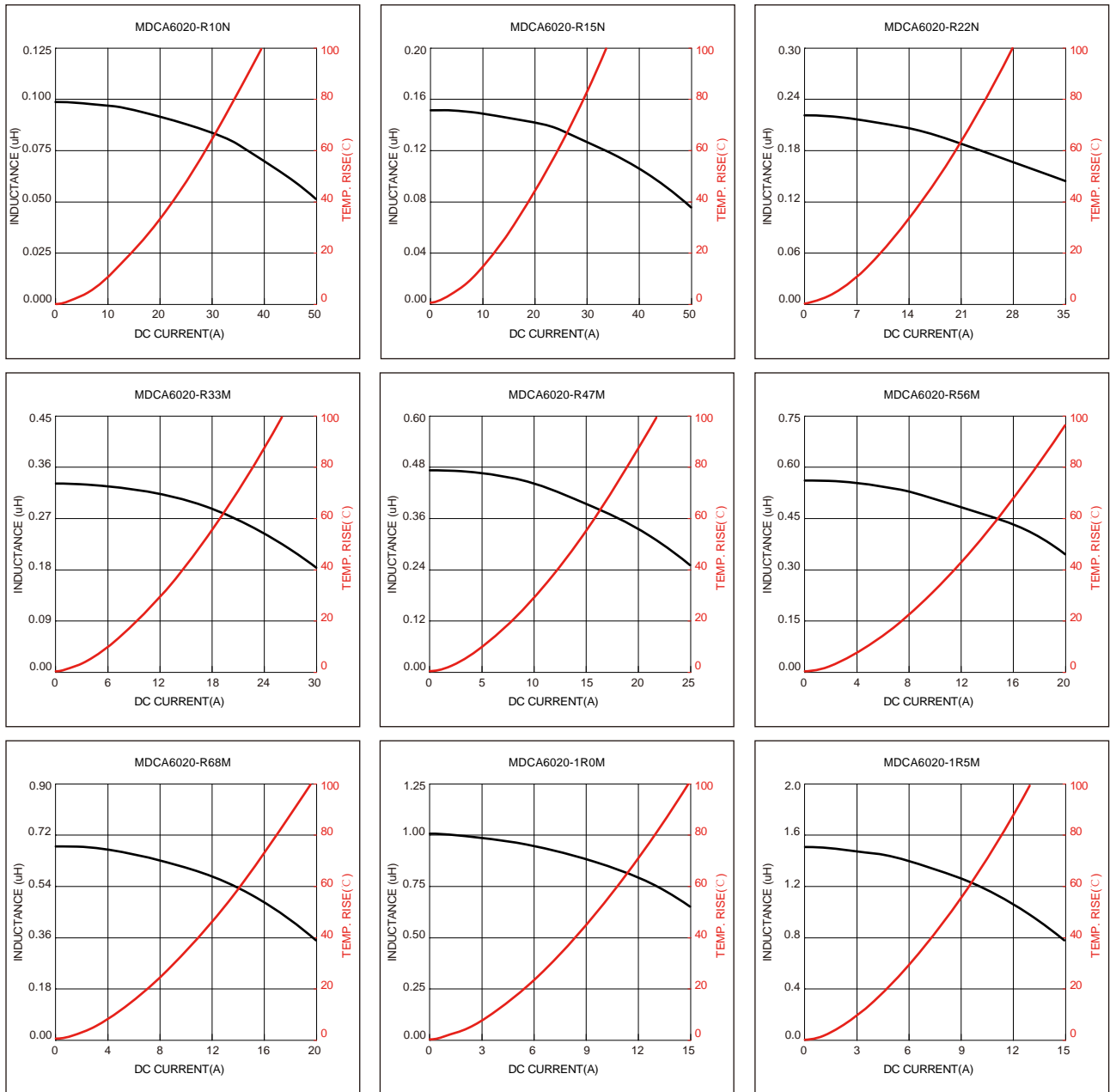
	(μH)		Saturation	($\text{m}\Omega$)	($\text{m}\Omega$)
MDCA6020-R10N		$\pm 30\%$			
		$\pm 30\%$			
MDCA6020-R22N		$\pm 30\%$			
MDCA6020-R33M		$\pm 20\%$			
MDCA6020-R47M		$\pm 20\%$			
		$\pm 20\%$			
MDCA6020-R68M		$\pm 20\%$			
MDCA6020-1R0M		$\pm 20\%$			
		$\pm 20\%$			
MDCA6020-2R2M		$\pm 20\%$			
MDCA6020-3R3M		$\pm 20\%$			
MDCA6020-4R7M		$\pm 20\%$			
		$\pm 20\%$			
MDCA6020-6R8M		$\pm 20\%$			
MDCA6020-8R2M		$\pm 20\%$		101	116

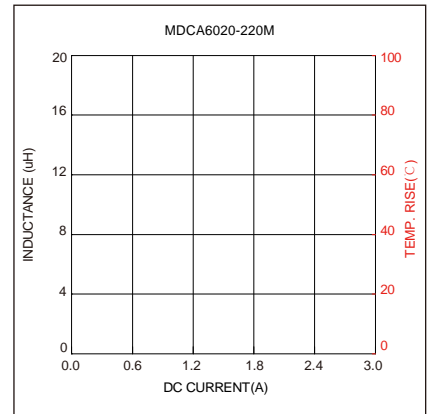
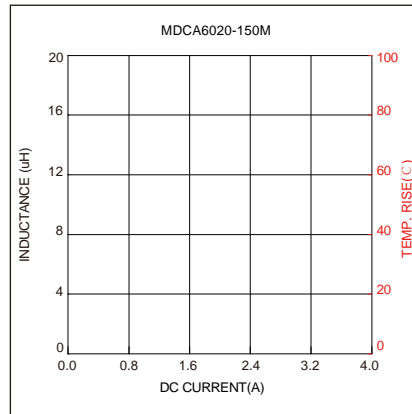
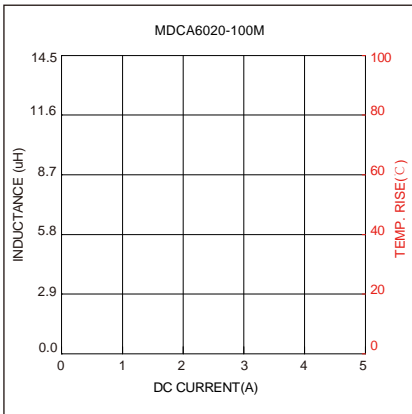
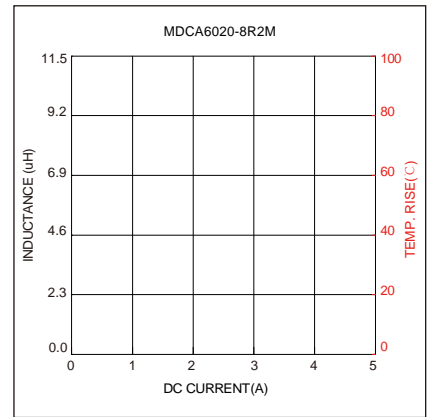
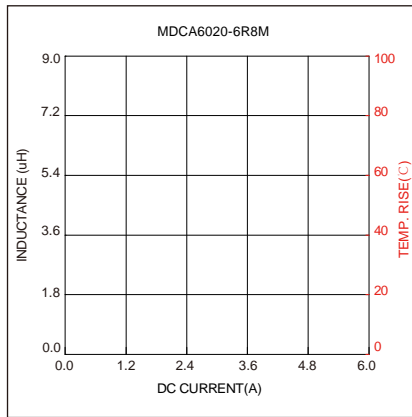
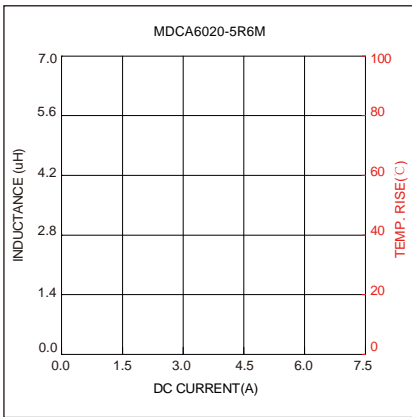
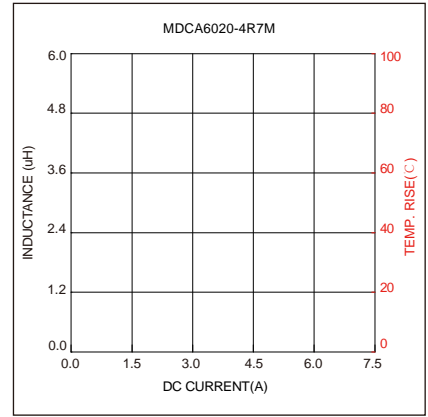
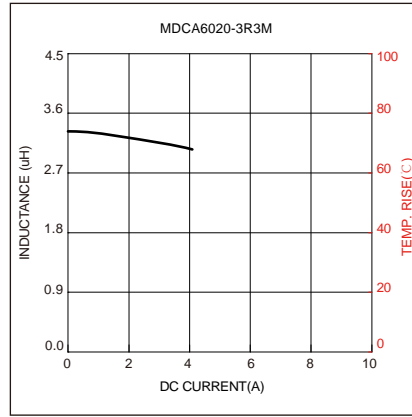
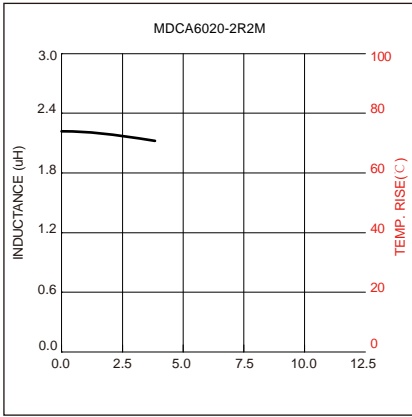
	(μH)		Saturation	($\text{m}\Omega$)	($\text{m}\Omega$)
MDCA6020-100M		$\pm 20\%$		134	
		$\pm 20\%$		190	210
MDCA6020-220M		$\pm 20\%$		236	280

Saturation Current will cause L to drop approximately 30%

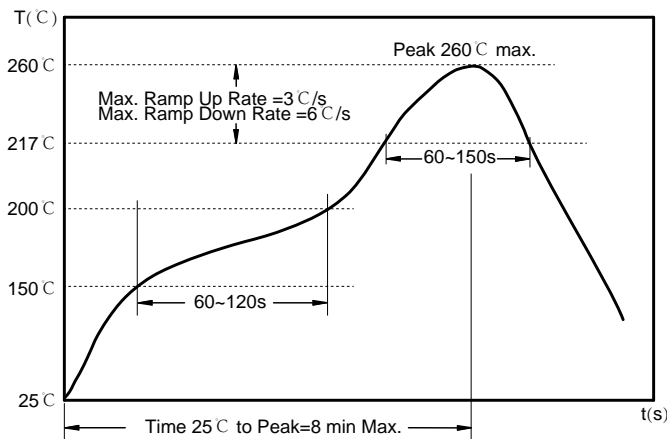
Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^\circ\text{C}$

Typical Electrical Characteristics:





Soldering Reflow:



Preheat condition: 150 ~200°C / 60~120 sec.

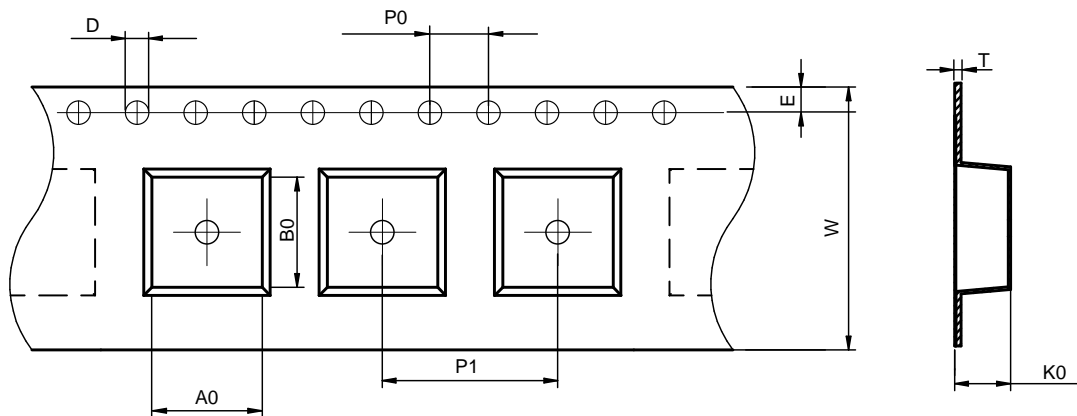
Allowed time above 217°C : 60~150 sec.

Max temperature: 260°C .

Allowed Reflow time: 2x max.

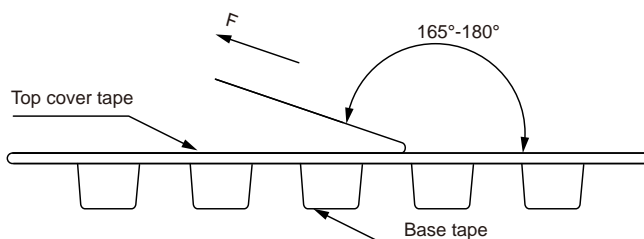
Packaging Information:

Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDCA6020	7.0± 0.1	7.7± 0.1	1.5± 0.1	4.0± 0.1	12.0± 0.1	16.0± 0.3	2.3± 0.1	1.75± 0.1	0.35± 0.05

Peel force of top cover tape:

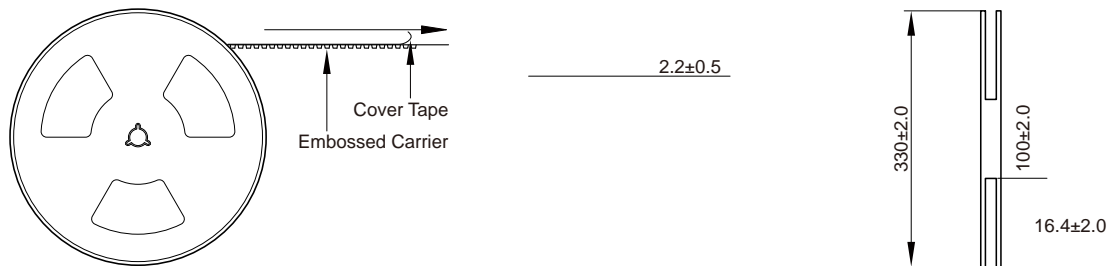


The peel force of top cover tape shall be between 0.1 to 1.3 N

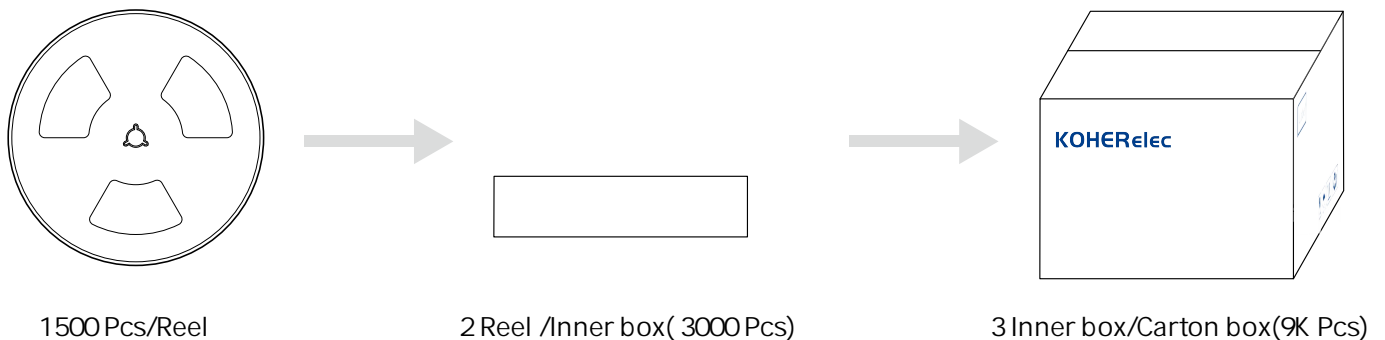
Product Marking:

Marking	Printing Inductance+period)
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Reel Dimension: [mm]



Packaging Quantity:



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.