

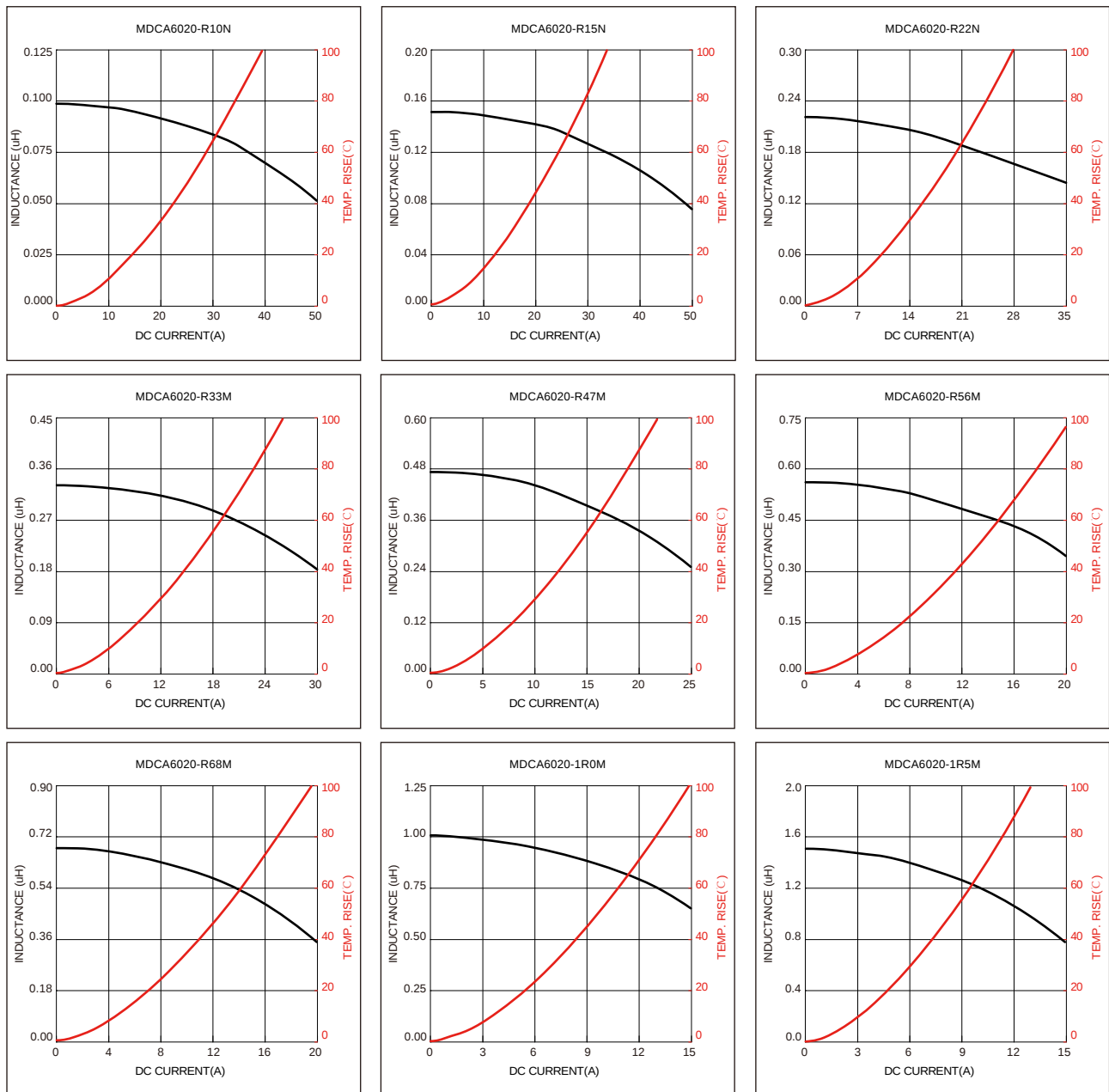
	(μH)			Saturation	(mΩ)	(mΩ)
MDCA6020-R10N		±30%				
		±30%				
MDCA6020-R22N		±30%				
MDCA6020-R33M		±20%				
MDCA6020-R47M		±20%				
		±20%				
MDCA6020-R68M		±20%				
MDCA6020-1R0M		±20%				
		±20%				
MDCA6020-2R2M		±20%				
MDCA6020-3R3M		±20%				
MDCA6020-4R7M		±20%				
		±20%				
MDCA6020-6R8M		±20%				
MDCA6020-8R2M		±20%			101	116

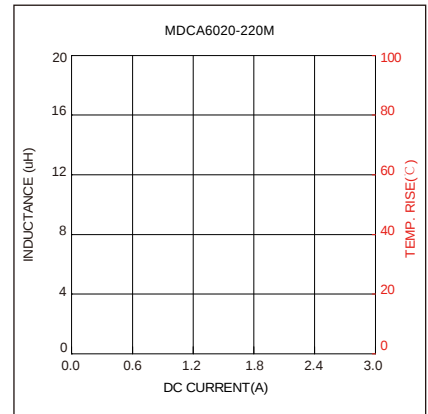
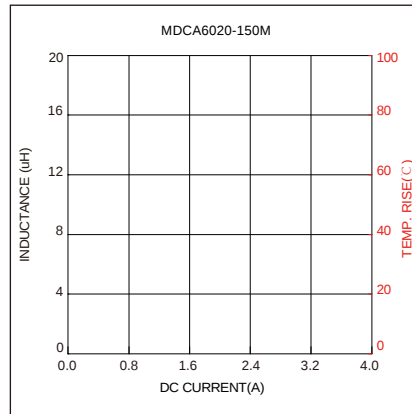
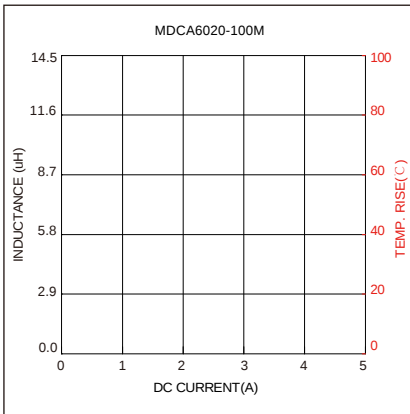
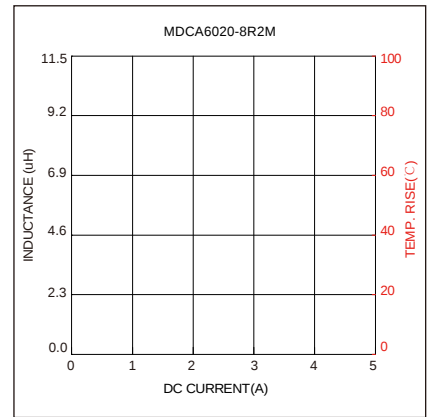
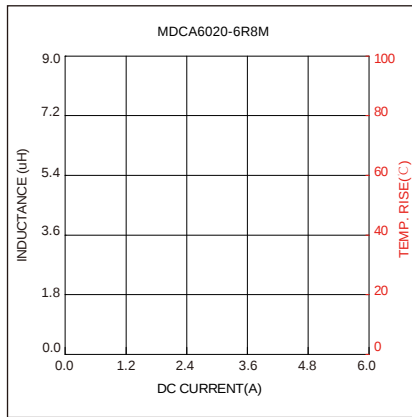
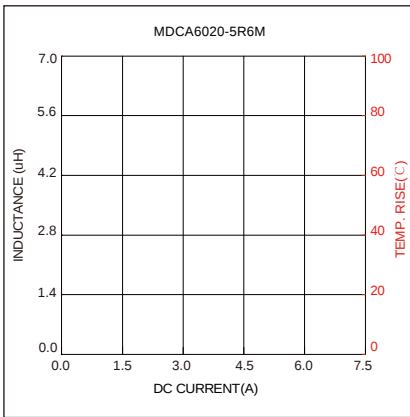
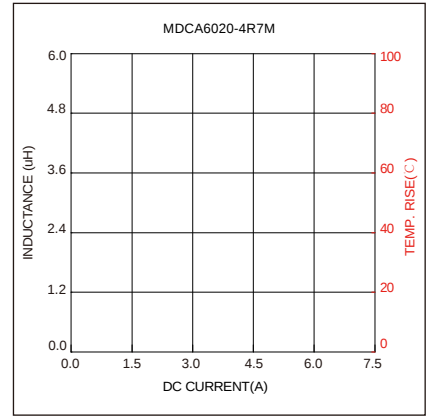
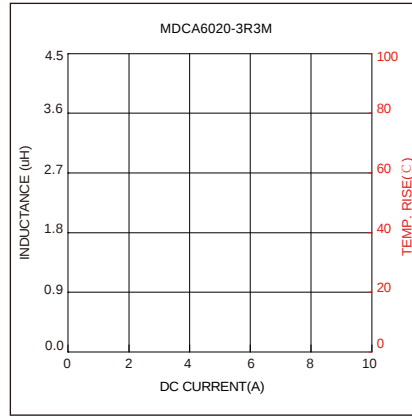
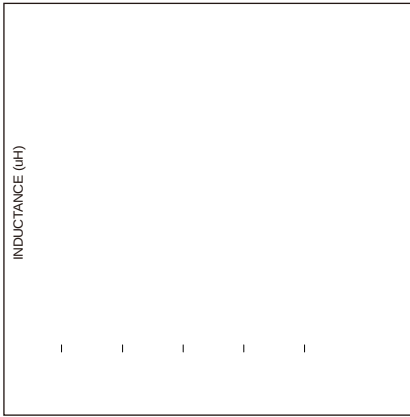
	(μH)			Saturation	($\text{m}\Omega$)	($\text{m}\Omega$)
MDCA6020-100M		$\pm 20\%$			134	
		$\pm 20\%$			190	210
MDCA6020-220M		$\pm 20\%$			236	280

Saturation Current will cause L to drop approximately 30%

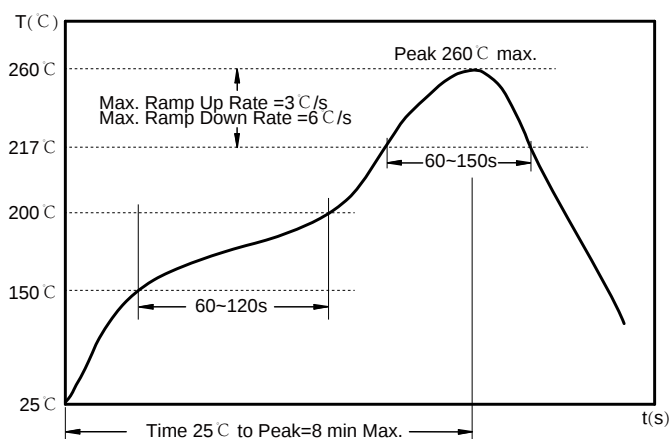
Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T = 40^\circ\text{C}$

Typical Electrical Characteristics:





Soldering Reflow:



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

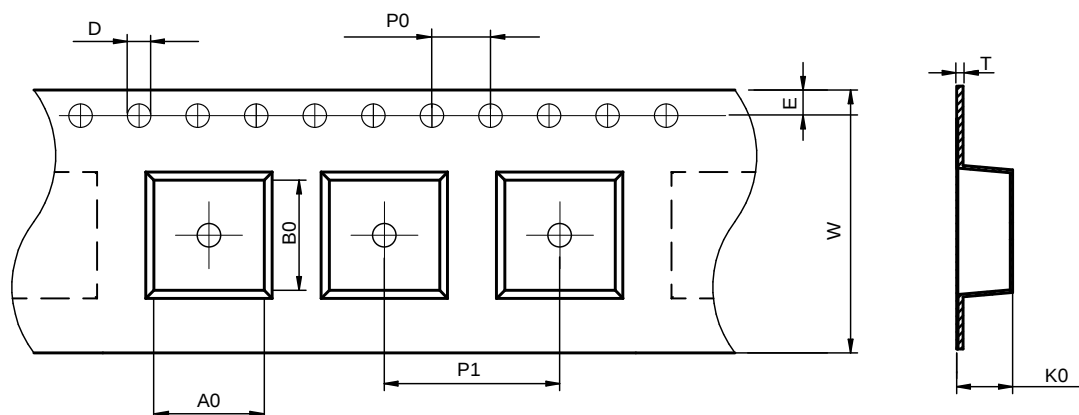
Allowed time above 217°C : 60~150 sec.

Max temperature: 260°C.

Allowed Reflow time: 2x max.

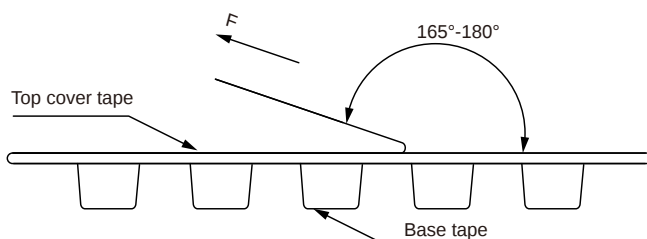
Packaging Information:

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:

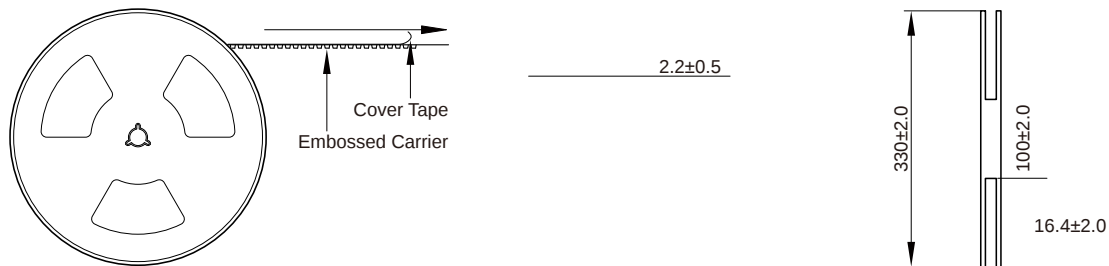


The peel force of top cover tape shall be between 0.1 to 1.3 N

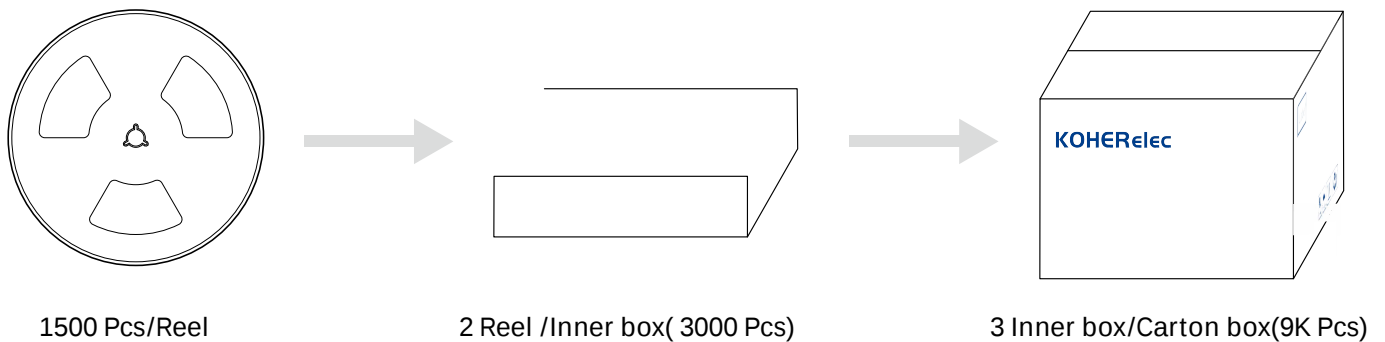
Product Marking:

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



Packaging Quantity:



021-34753367 Contact@hergroup.com
F9, No. 1188, 105th Rd, Minhang District,

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.