



## **MDA Series**

SMD Low Profile High Current Molded Inductor  
Size 1870

Electrical Properties:

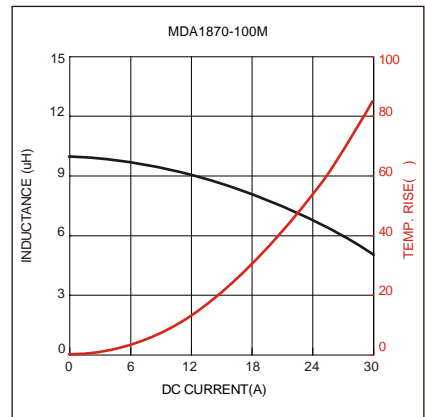
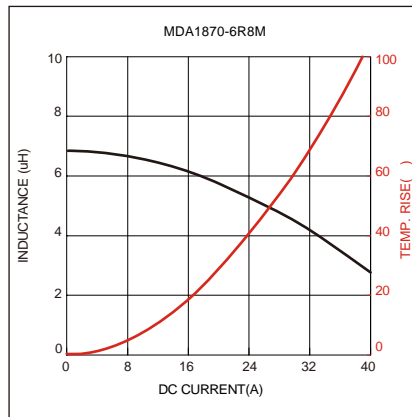
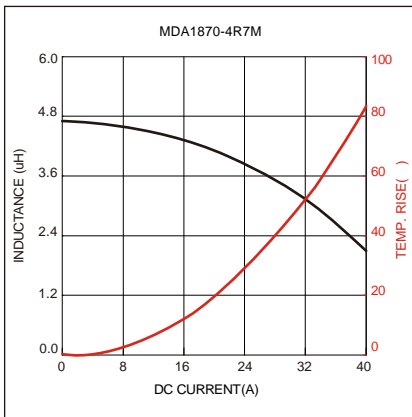
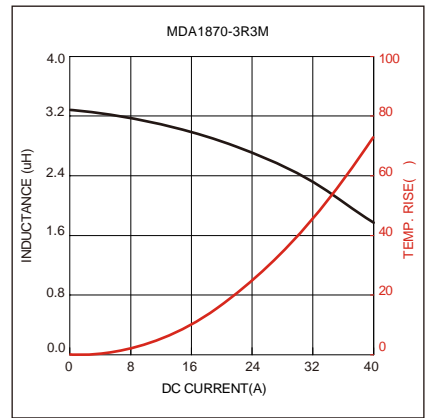
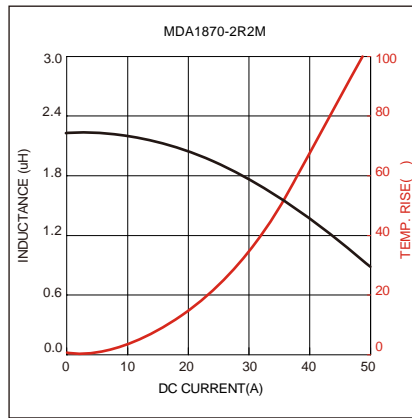
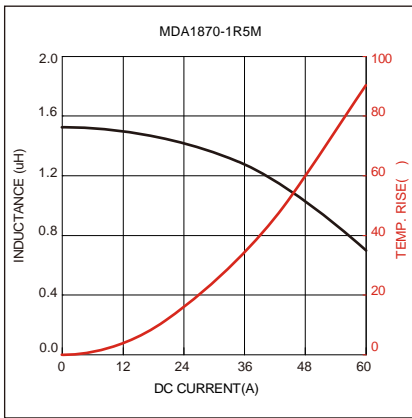
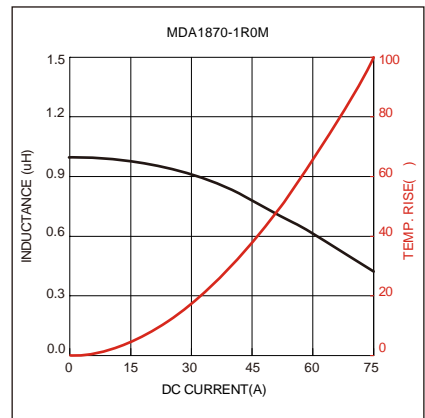
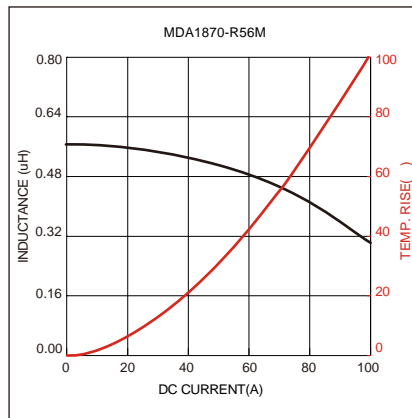
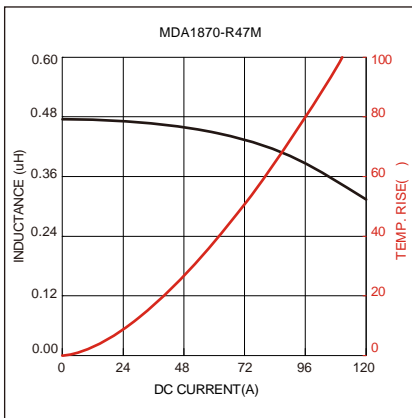


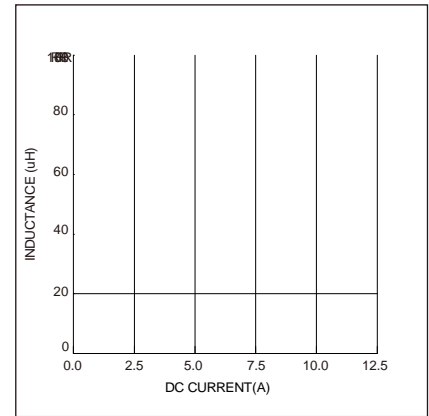
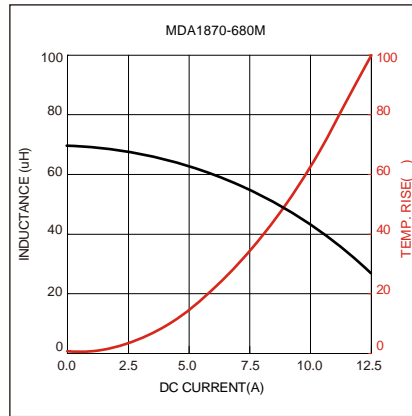
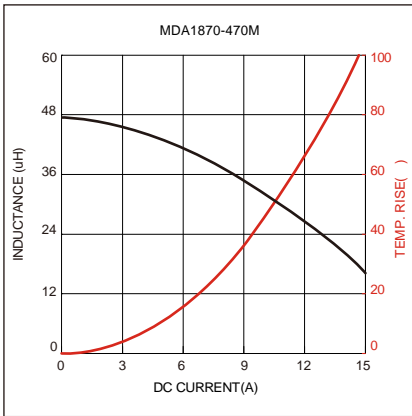
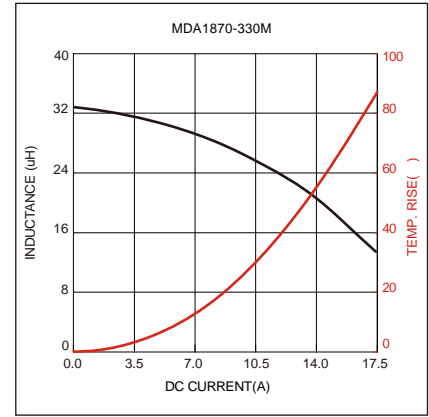
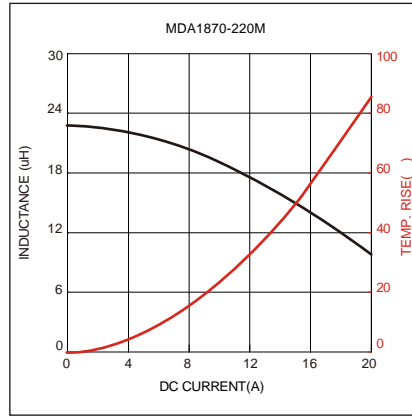
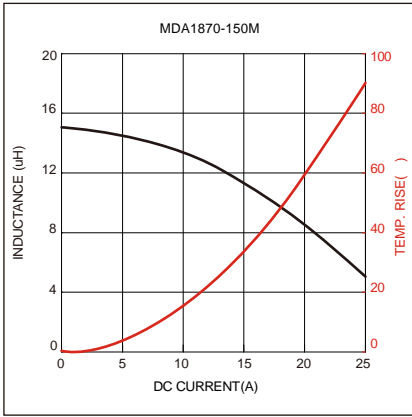
Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Current Typ. (A)	Current Max. (A)	DC Resistance Typ.	DC Resistance Max.

Saturation Current will cause L to drop approximately 30%

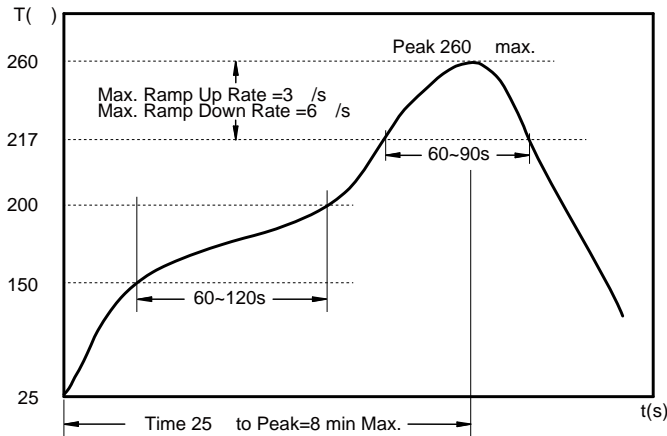
Temperature Rise Current: The actual value of DC current when the temperature rise is  $T=40^{\circ}\text{C}$

### Typical Electrical Characteristics:





## Soldering Reflow:



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

Allowed time above 217 : 60~90 sec.

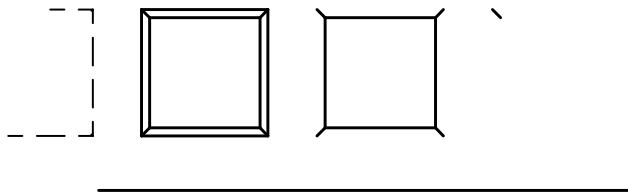
Max temperature: 260 .

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

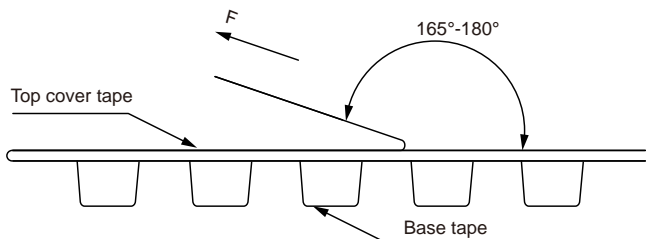
## Packaging Information:

Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDA1870	17.5± 0.1	18.1± 0.1	1.5± 0.1	4.0± 0.1	24.0± 0.1	32.0± 0.3	7.3± 0.1	1.75± 0.1	0.50± 0.05

Peel force of top cover tape:



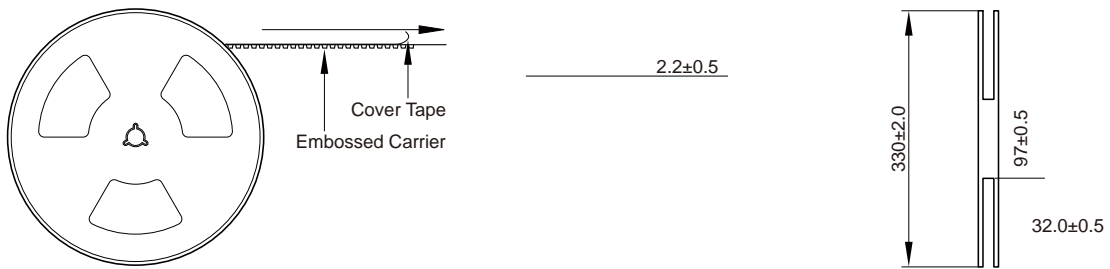
The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

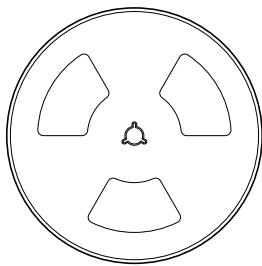
Marking	KH+Printing Inductance+period)
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### Reel Dimension : [mm]



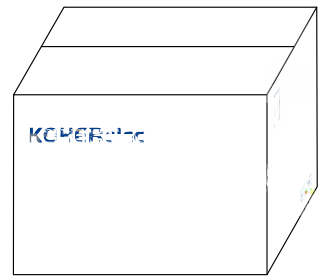
### Packaging Quantity:



200 Pcs/Reel



2 Reel /Inner box( 400 Pcs)



2 Inner box/Carton box(800 Pcs)

### Cautions and Warnings:

#### Storage Conditions :

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### Operation Instructions: