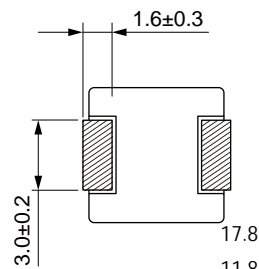
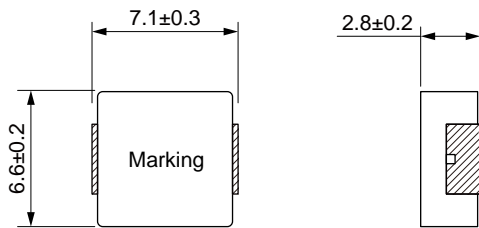


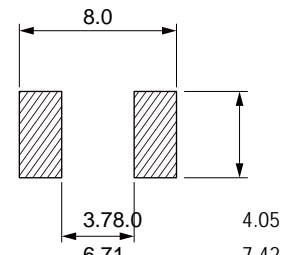


**MDSA Series**  
**SMD Low Profile High Current Molded Inductor**  
**Size 7030**

Dimensions: [mm]



Land Pattern: [mm]



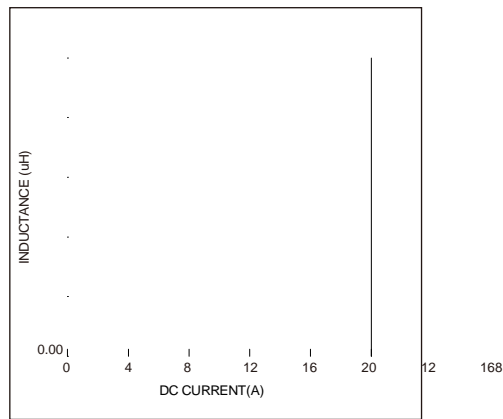
Electrical Properties:

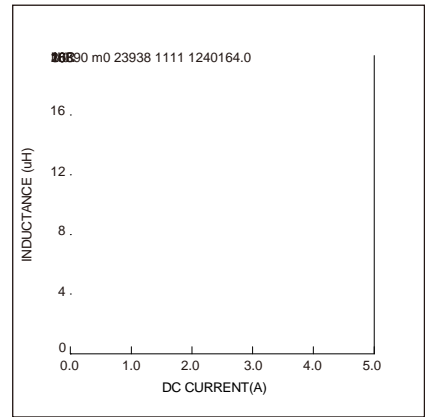
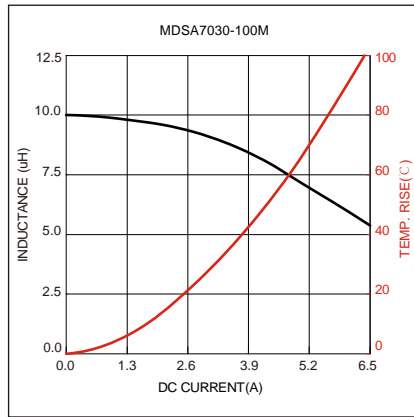
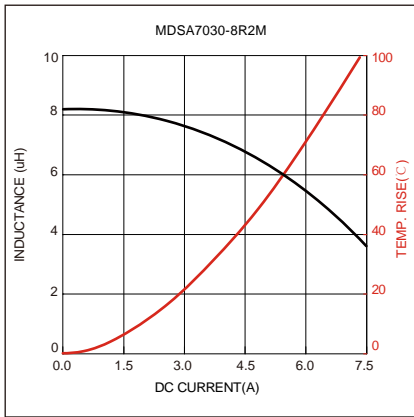
	17.8		4.05
	11.8		7.42
	9.9		9.50
	9.8		12.2
	7.7		15.1
	6.4		22.1
	5.5		33.0
	5.4		42.2
	4.4		50.0
	4.3		60.3
	3.9		68.1
	2.9		110.1
			140.0

Saturation Current will cause L to drop approximately 30%

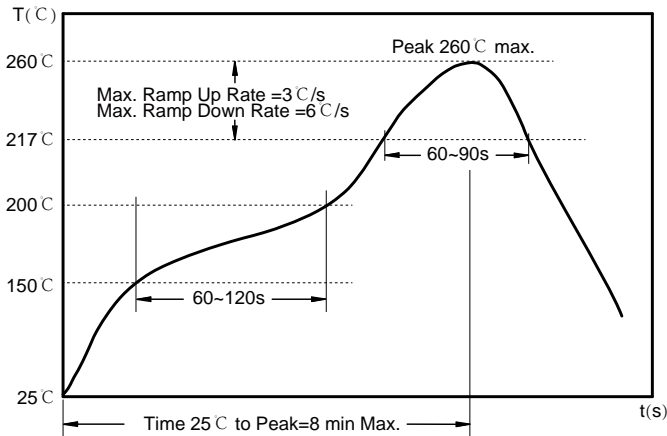
Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$

### Typical Electrical Characteristics:





## Soldering Reflow:



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

Allowed time above 217°C : 60~90 sec.

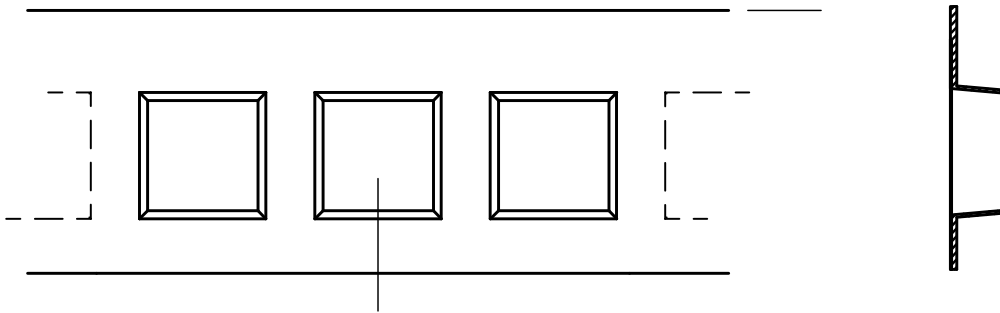
Max temperature: 260°C.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

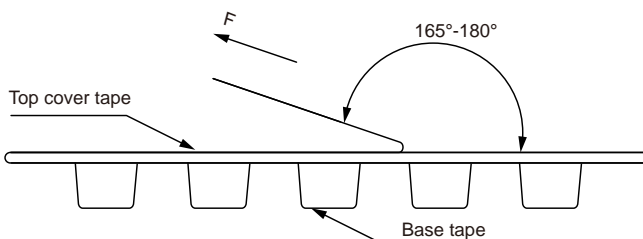
## Packaging Information:

### Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDSA7030	7.0±0.3	7.7±0.3	1.5±0.1	4.0±0.1	12.0±0.1	16.0±0.3	3.3±0.1	1.75±0.1	0.35±0.05

### Peel force of top cover tape:



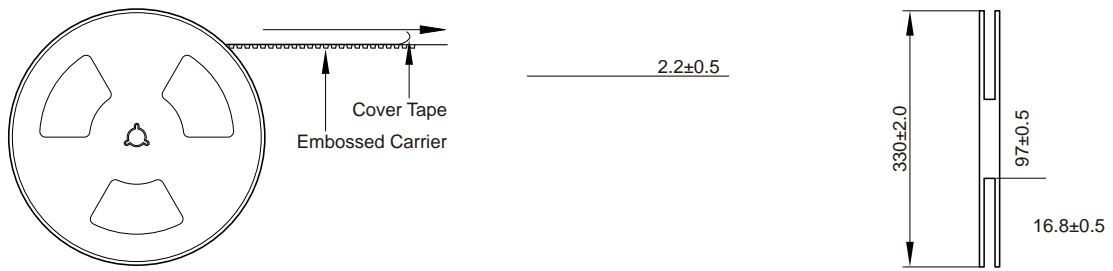
The peel force of top cover tape shall be between 0.1 to 1.3 N

### Product Marking:

Marking	K+Printing (Inductance+period)
---------	--------------------------------



Reel Dimension: [mm]



Packaging Quantity:

1000 Pcs/Reel

2 Reel /Inner box( 2000 Pcs)