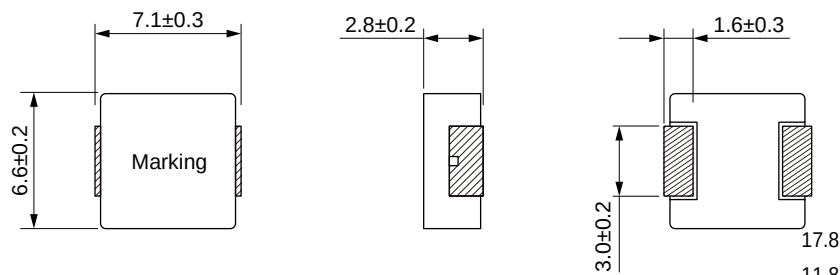
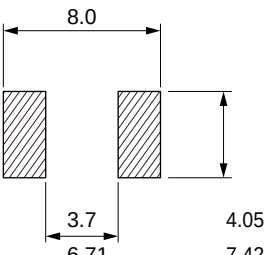


MDSA Series
SMD Low Profile High Current Molded Inductor
Size 7030

Dimensions: [mm]



Land Pattern: [mm]



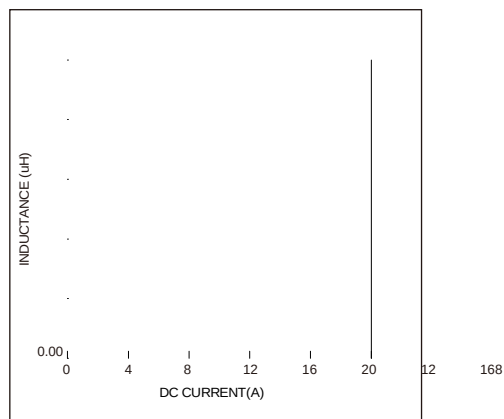
Electrical Properties:

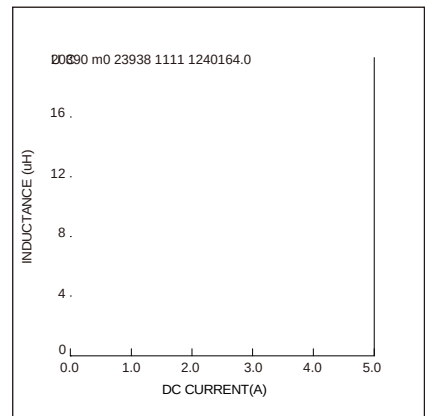
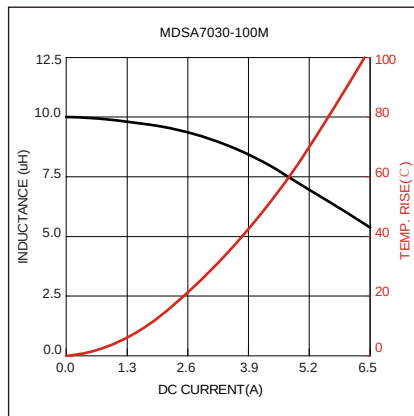
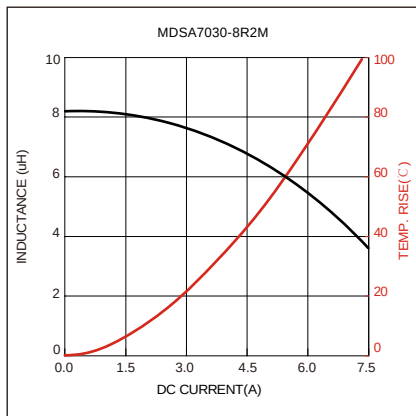
	17.8		
	11.8		
	9.9		
	9.8		
	7.7		
	6.4	19.2	22.1
	5.5	28.0	33.0
	5.4	39.1	42.2
	4.4	43.2	50.0
	4.3	54.4	60.3
	3.9	62.0	68.1
	2.9	110.1	140.0

Saturation Current will cause L to drop approximately 30%

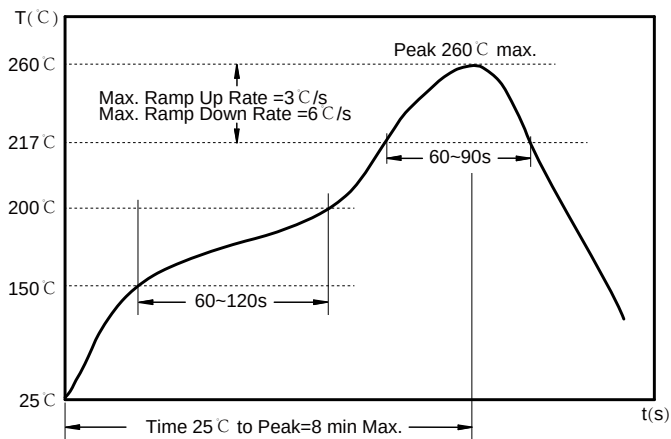
Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$

Typical Electrical Characteristics:





Soldering Reflow:



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

Allowed time above 217°C : 60~90 sec.

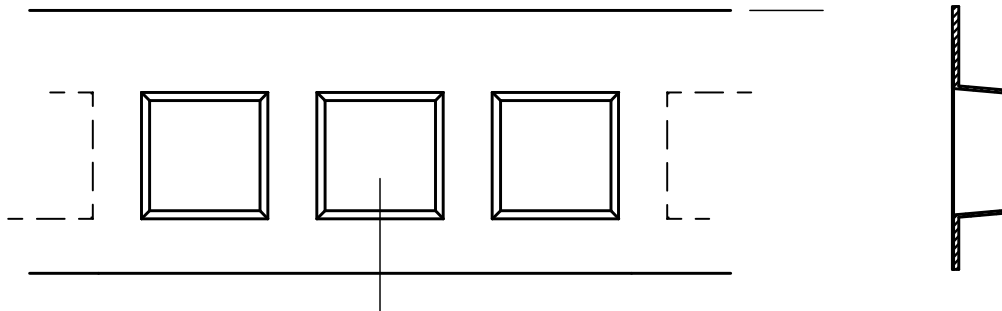
Max temperature: 260°C.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

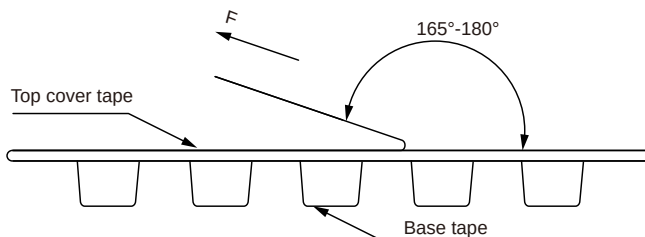
Packaging Information:

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:

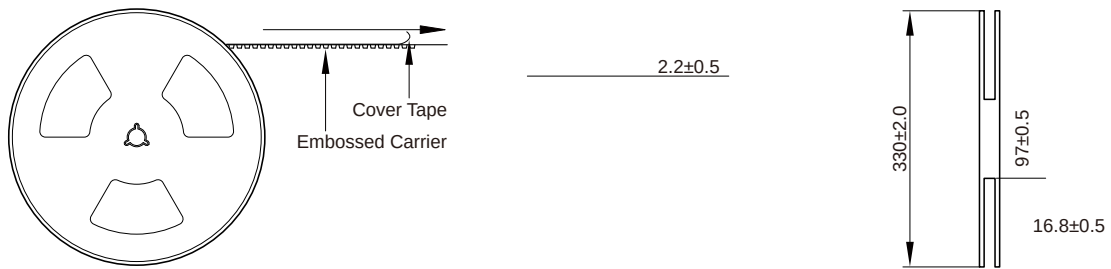


The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

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



Packaging Quantity:

1000 Pcs/Reel

2 Reel /Inner box(2000 Pcs)