

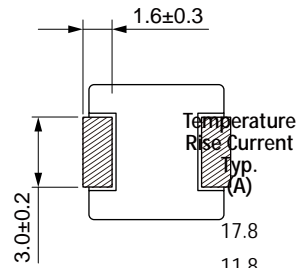
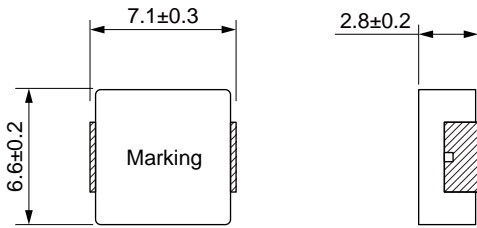


MDSA Series

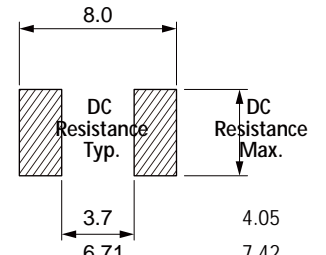
SMD Low Profile High Current Molded Inductor

Size 7030

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

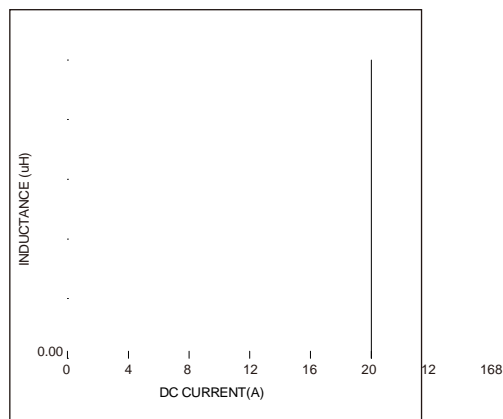
Part No	Temperature Rise Current Typ. (A)	DC Resistance Typ.	DC Resistance Max.
	17.8	4.05	
	11.8	7.42	
	9.9	9.50	
	9.8	10.2	12.2
	7.7	13.8	15.1
	6.4	19.2	22.1
	5.5	28.0	33.0
	5.4	39.1	42.2
	4.4	43.2	50.0
	4.3	54.4	60.3
	3.9	62.0	68.1
	2.9	110.1	140.0

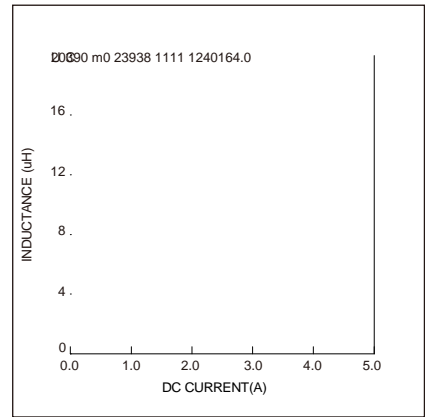
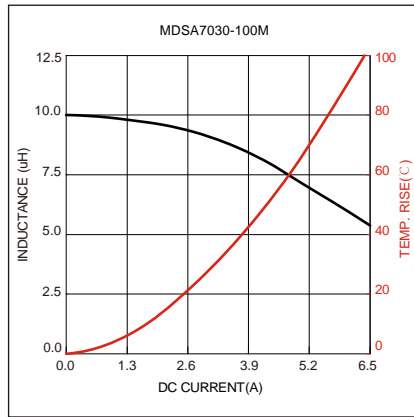
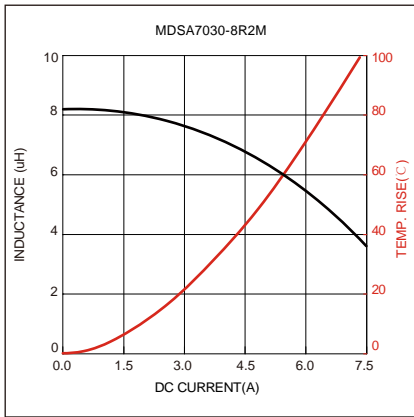


Saturation Current will cause L to drop approximately 30%

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

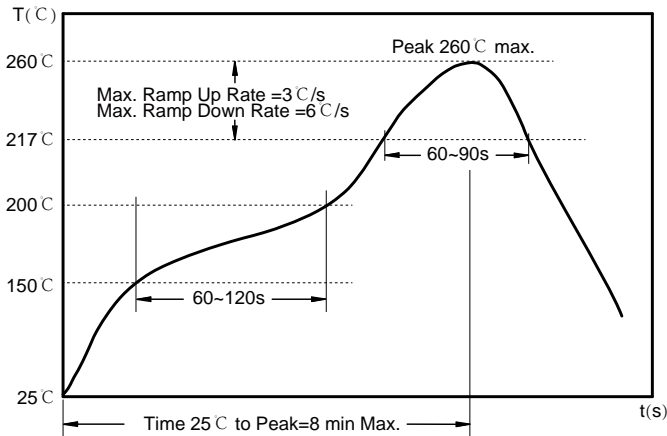
Typical Electrical Characteristics:







Soldering Reflow:



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

Allowed time above 217°C : 60~90 sec.

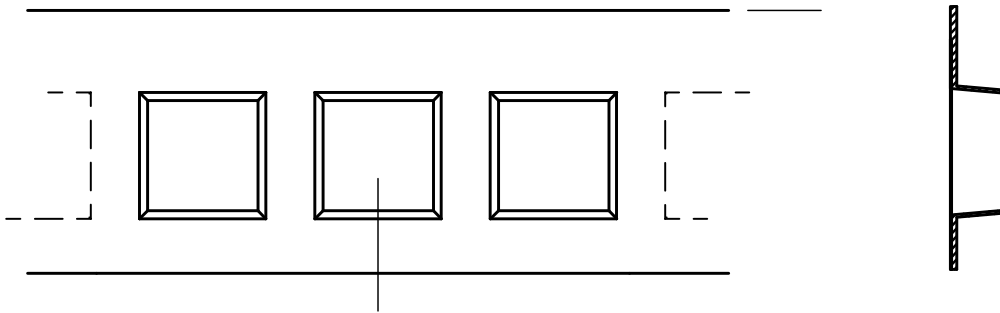
Max temperature: 260°C.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

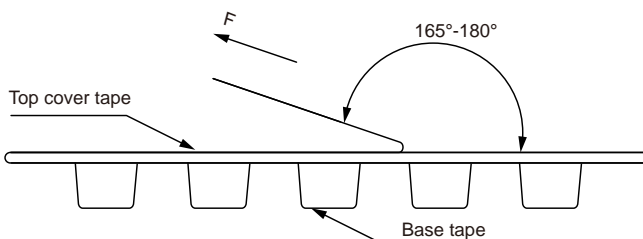
Packaging Information:

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:



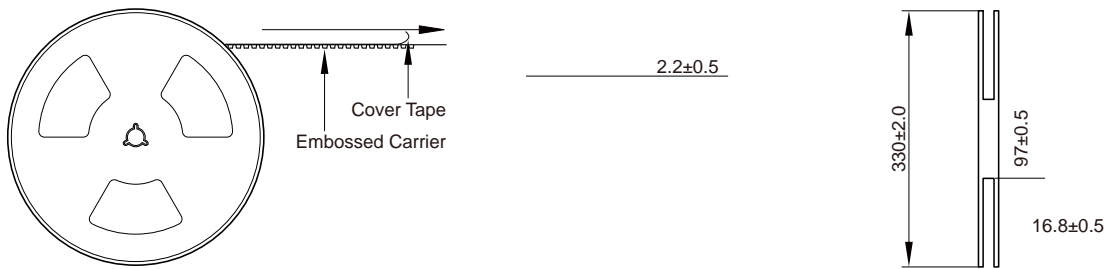
The peel force of top cover tape shall be between 0.1 to 1.3 N

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)