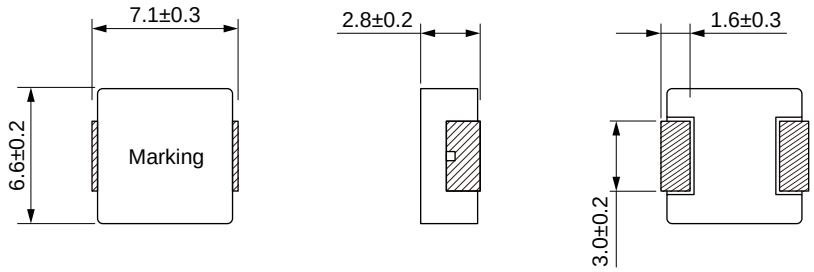
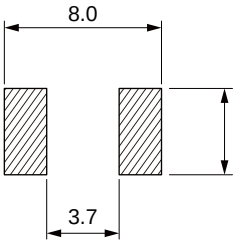
MDSA Series
SMD Low Profile High Current Molded Inductor
Size 7030

Dimensions: [mm]



Land Pattern: [mm]

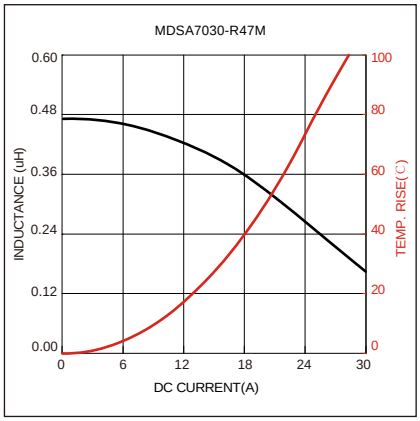


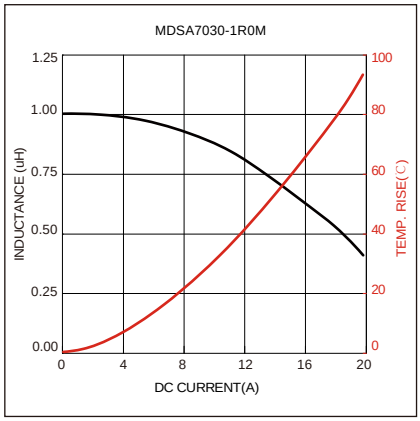
Electrical Properties:

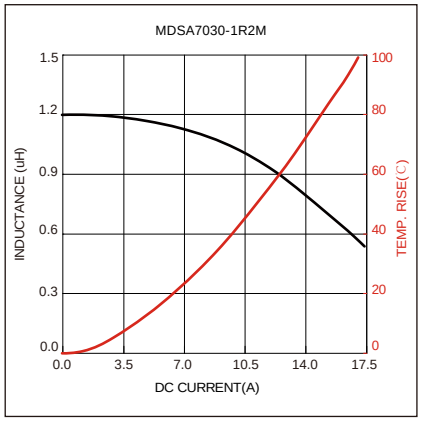
	(μH)			Saturation	(mΩ)	(mΩ)

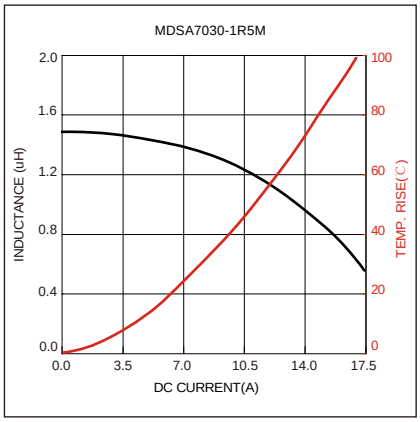
Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

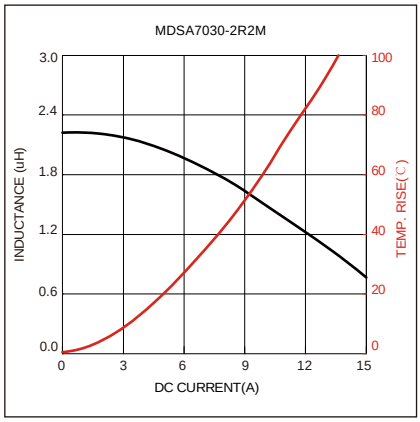
Typical Electrical Characteristics:

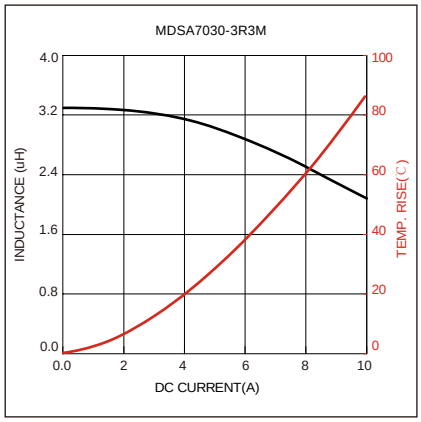


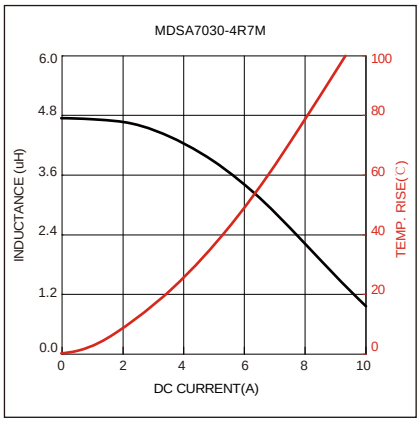


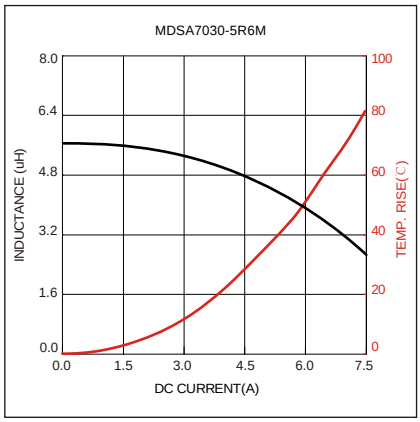


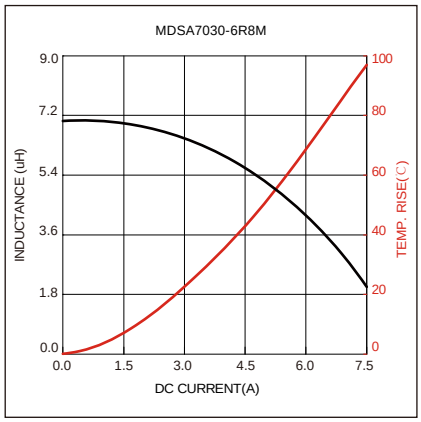


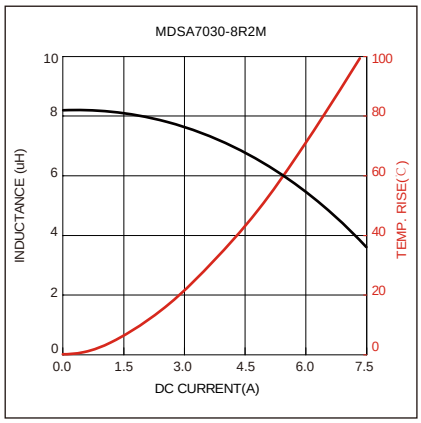


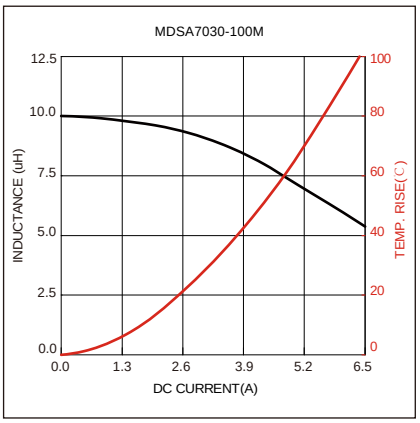


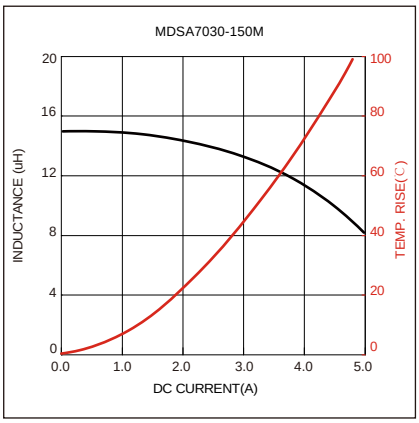


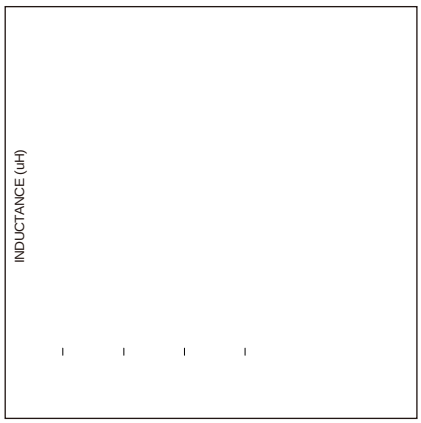




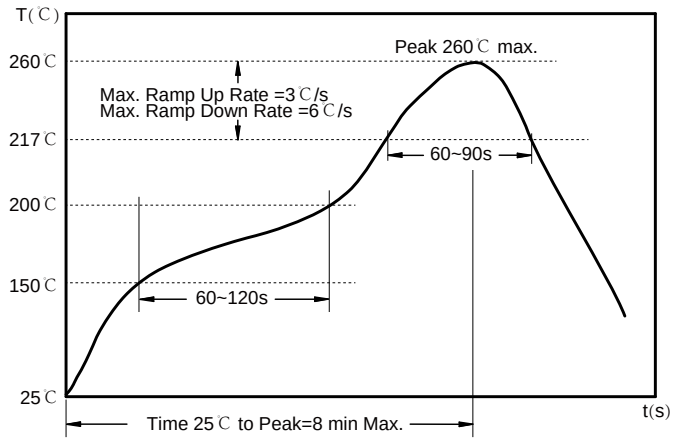

MDSA7030-8R2M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0.0
1.5
3.0
4.5
6.0
7.5
0
2
4
6
8
10
0
20
40
60
80
100


MDSA7030-100M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0.0
1.3
2.6
3.9
5.2
6.5
0.0
2.5
5.0
7.5
10.0
12.5
0
20
40
60
80
100


MDSA7030-150M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0.0
1.0
2.0
3.0
4.0
5.0
0
4
8
12
16
20
0
20
40
60
80
100


INDUCTANCE (uH)

Soldering Reflow:



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

Allowed time above 217℃: 60~90 sec.

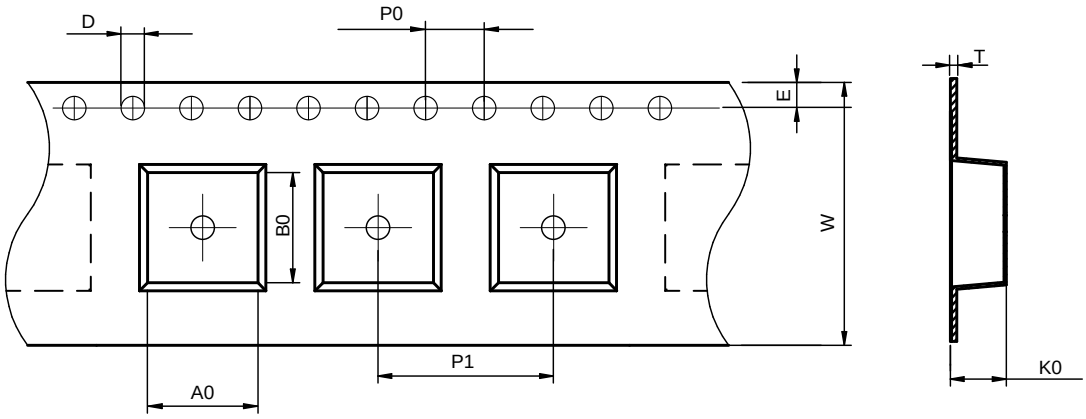
Max temperature: 260℃.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

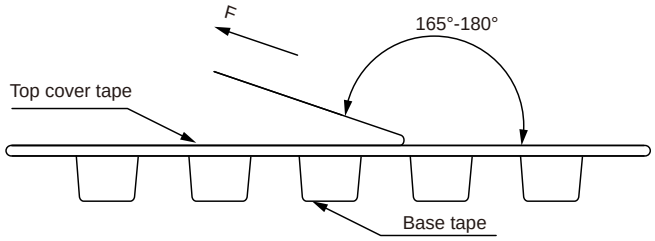
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
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:

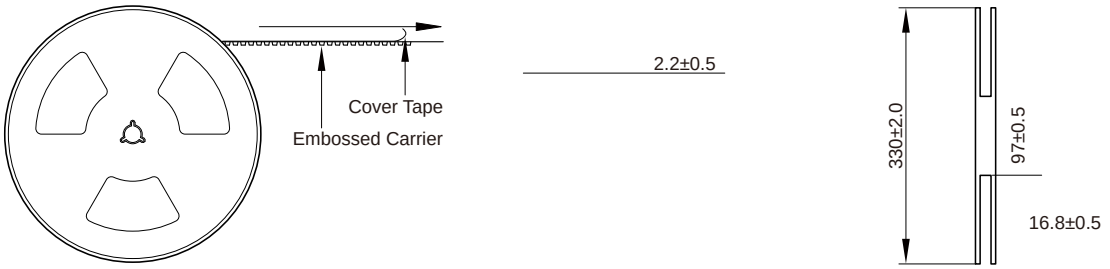


The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

Marking	K+Printing (Inductance+period)

Reel Dimension：[mm]



Packaging Quantity:



1000 Pcs/Reel

2 Reel /Inner box(2000 Pcs)

3 Inner box/Carton box(6K Pcs)

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.
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Operation Instructions:

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