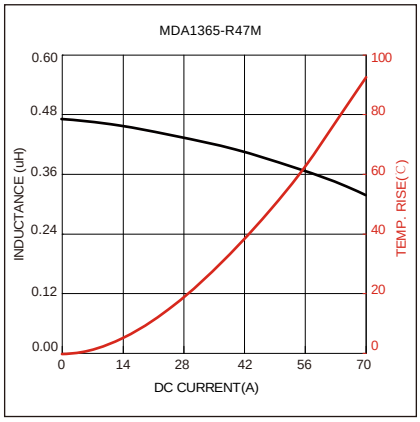
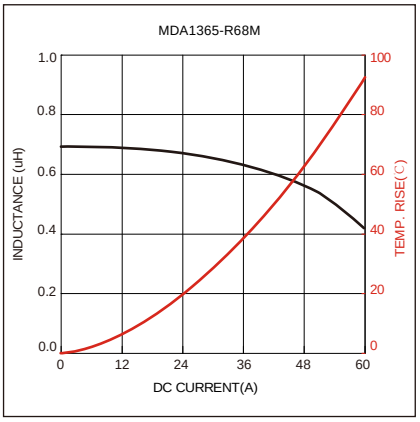
Size 1365

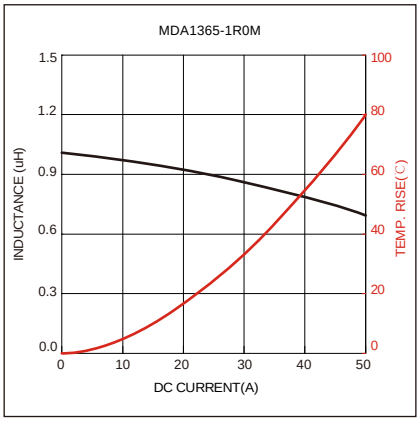
| Part No | Inductance @ 100KHz/1V | Tolerance | Temperature Rise Current Typ. (A) | Temperature Rise Current Max. (A) | Current Typ. (A) | Current Max. (A) | DC Resistance Typ. | DC Resistance Max. | E |
|---|---|---|---|---|---|---|---|---|---|
| MDA1365-220M | 22.0 | ±20% | 10.0 | 8.0 | 10.0 | 9.0 | 31.0 | 35.0 | 4.7±0.3 |
| MDA1365-330M | 33.0 | ±20% | 9.00 | 6.5 | 9.00 | 8.0 | 46.0 | 55.0 | 4.7±0.3 |
| MDA1365-470M | 47.0 | ±20% | 8.00 | 5.7 | 7.60 | 6.8 | 58.0 | 67.0 | 4.7±0.3 |
| MDA1365-680M | 68.0 | ±20% | 5.80 | 4.8 | 6.00 | 5.0 | 82.0 | 100.0 | 4.7±0.3 |

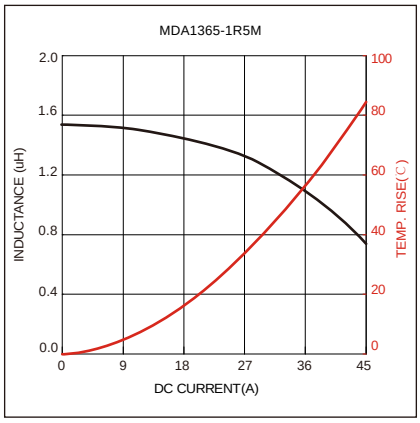
Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

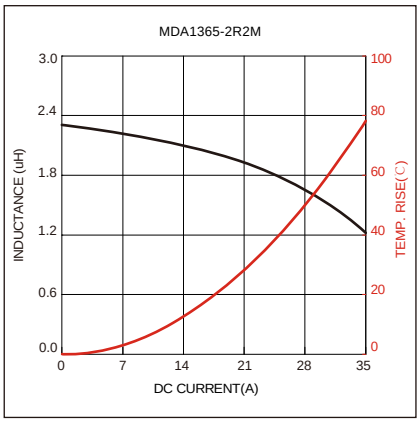
## Typical Electrical Characteristics:

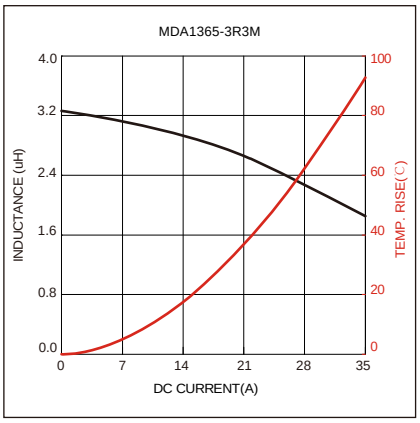


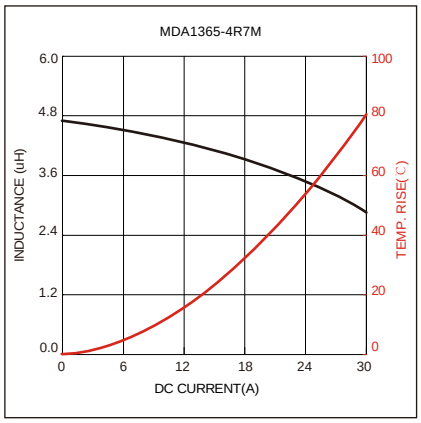



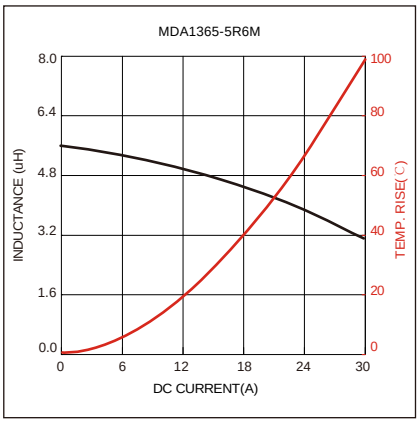



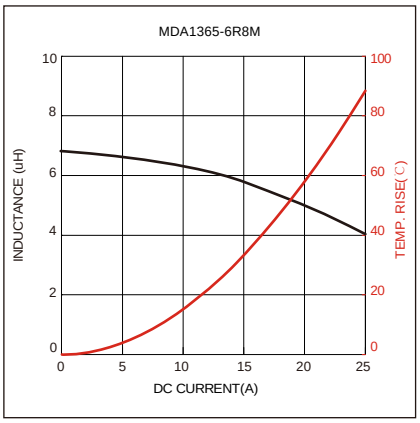



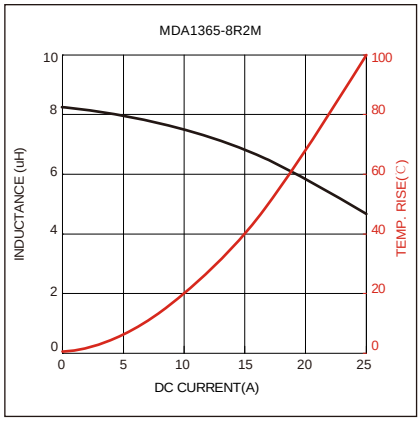



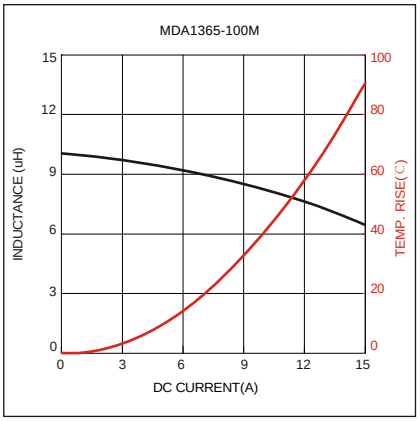



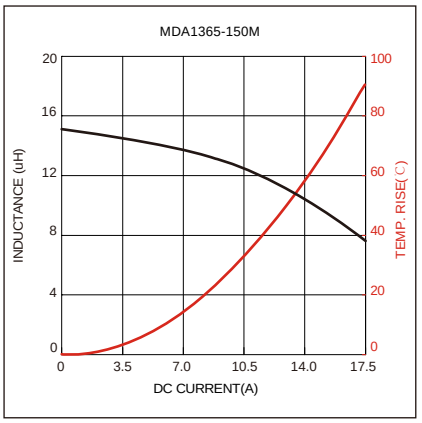



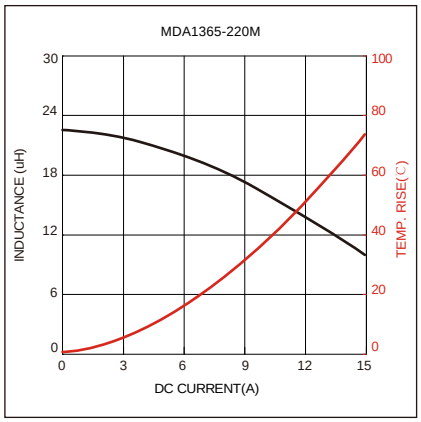



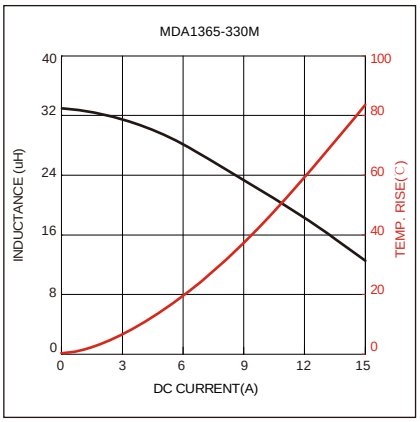



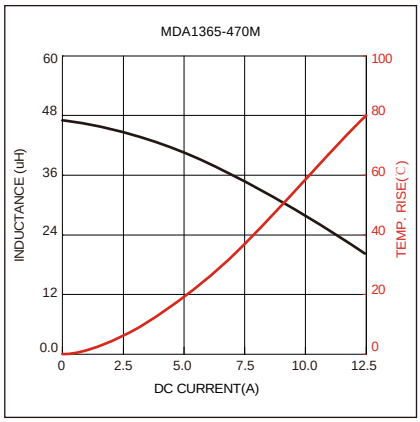

MDA1365-8R2M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0 2 4 6 8 10
0 20 40 60 80 100
0 5 10 15 20 25

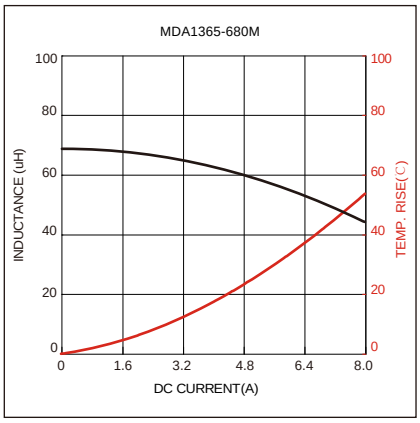

MDA1365-100M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0 3 6 9 12 15
0 20 40 60 80 100
0 3 6 9 12 15


MDA1365-150M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0 4 8 12 16 20
0 20 40 60 80 100
0 3.5 7.0 10.5 14.0 17.5

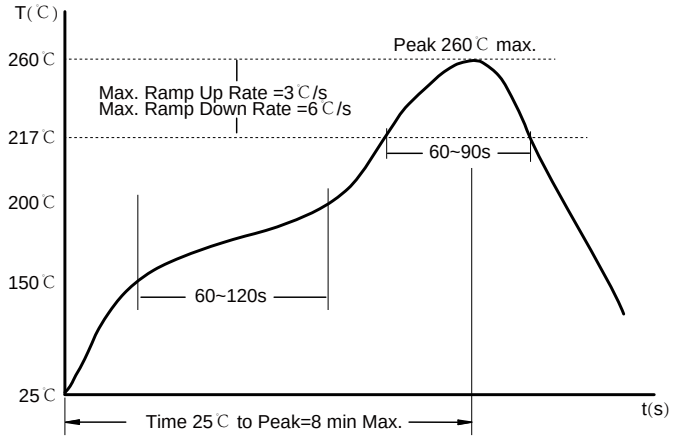

MDA1365-220M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0 6 12 18 24 30
0 20 40 60 80 100
0 3 6 9 12 15


MDA1365-330M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0 8 16 24 32 40
0 20 40 60 80 100
0 3 6 9 12 15


MDA1365-470M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0.0 12 24 36 48 60
0 20 40 60 80 100
0 2.5 5.0 7.5 10.0 12.5


MDA1365-680M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0 20 40 60 80 100
0 20 40 60 80 100
0 1.6 3.2 4.8 6.4 8.0

## Soldering Reflow:




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

Allowed time above 217℃: 60~90 sec.

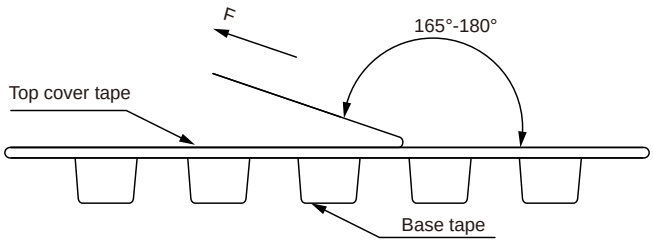
Max temperature: 260℃.

Allowed Reflow time: 2x max.

## Packaging Information:

Tape Dimension:

Peel force of top cover tape:

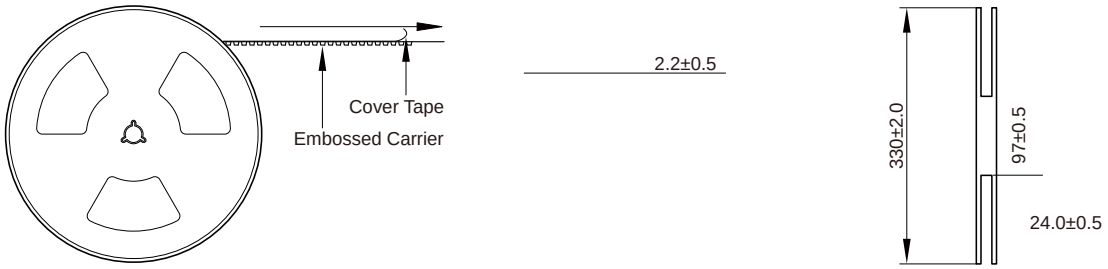



The peel force of top cover tape shall be between 0.1 to 1.3 N

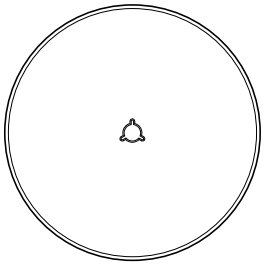
Product Marking:

| | |
|---|---|
| Marking | KH+Printing(Inductance+period) |

Reel Dimension：[mm]




Packaging Quantity:



500 Pcs/Reel

2 Reel /Inner box( 1000 Pcs)

2 Inner box/Carton box(2K Pcs)

## Cautions and Warnings:

Storage Conditions：

Operation Instructions: