## MA0530-1 series

## Features:

Large Current and Low DCR.
Magnetically shielded construction.
High frequency range up to 3.0 MHz .
RoHS compliant* and halogen free.
Low noise.
Operating temperature range: $-40^{\circ} \mathrm{C} \mathrm{TO}+125^{\circ} \mathrm{C}$ AEC-Q200 qualified.


Pb

SVHC-Fre

## Applications:

Notebooks/Desktops/Server applications.
DC/DC converters.
LED drivers
Noise suppression for motors: windshield wipers / powerseats / power mirrors / heating and ventilation blower/HID lighting
DC/DC converters for entertainment / navigation systems

## Product identification:



## Dimensions (unit:inch/mm):

## Recommended Layout: [unit: inch/ mm]



## Packaging

1) Reel dimensions

2) Tape packaging dimensions


| Dimensions Code (mm) |  |  |
| :---: | :---: | :---: |
| $A 0$ | $B 0$ | $K 0$ |
| $5.8 \pm 0.1$ | $5.58 \pm 0.1$ | $3.2 \pm 0.1$ |

3) Tape Direction


Pulling direction
4) Peel force of top cover tape


The peel speed shall be about $300 \mathrm{~mm} /$ minute The peel force of top cover tape shall be between 0.1 to 1.3 N

Please pay sufficient attention to the warnings for safe designing when using these products.
※ The storage period is less than 12 months. Be sure to follow the storage conditions (Temperature: 5 to $40^{\circ} \mathrm{C}$, Humidity:10 to $75 \%$ RHor less).
If the storage period elapses, the soldering of the terminal electrodes may deteriorate.
※ Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).

Before soldering, be sure to preheat components.
The preheating temperature should be set so that the temperature difference between the solder temperaturt and chip temperaturedoes not exceed $150^{\circ} \mathrm{C}$.
※ Soldering corrections after mounting should be within the range of the conditions determined in the specifications.
If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
※ Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermaldesign.
※ Do not expose the products to magnets or magnetic fields.
Do not use for a purpose outside of the contents regulated in the delivery specifications.

