

MDA Series

SMD Low Profile High Current Molded Inductor
Size 1870

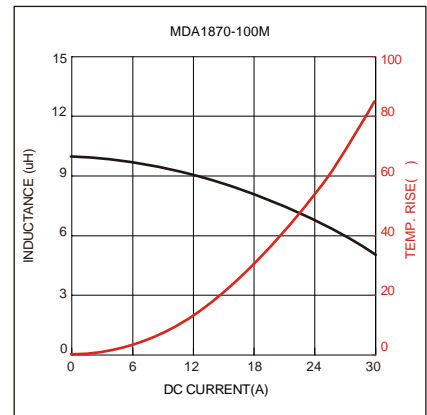
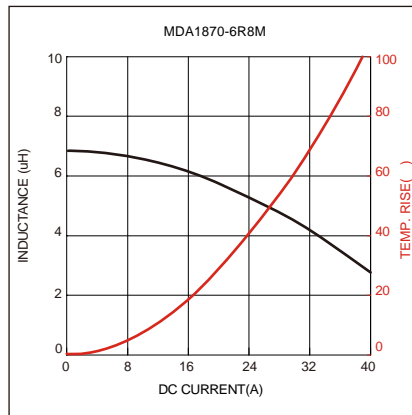
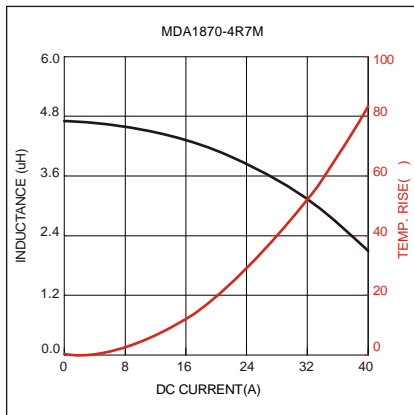
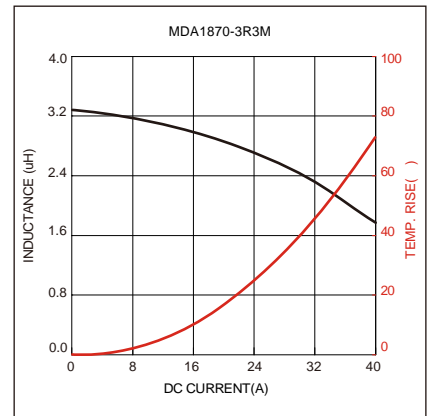
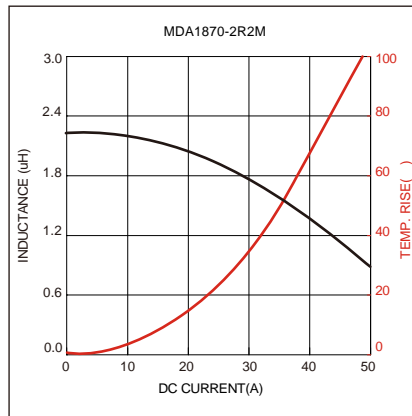
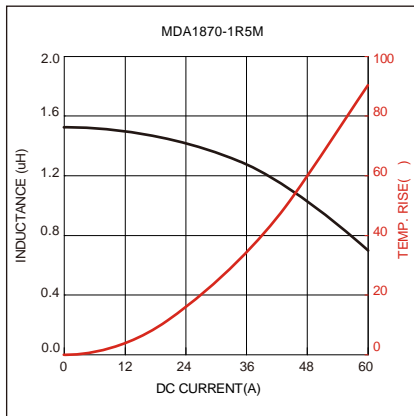
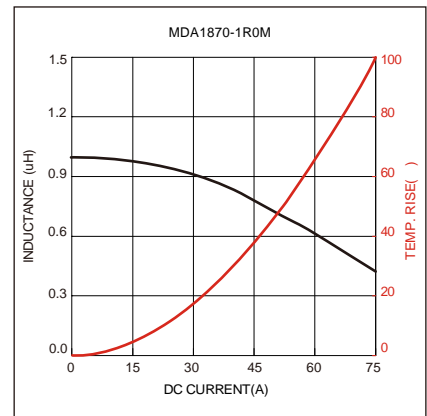
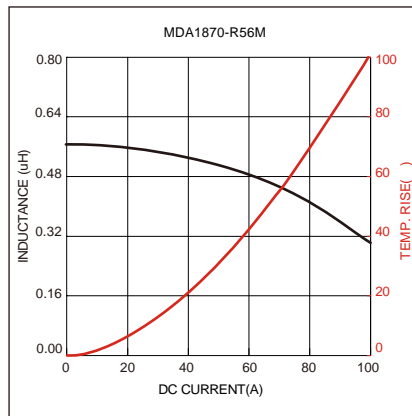
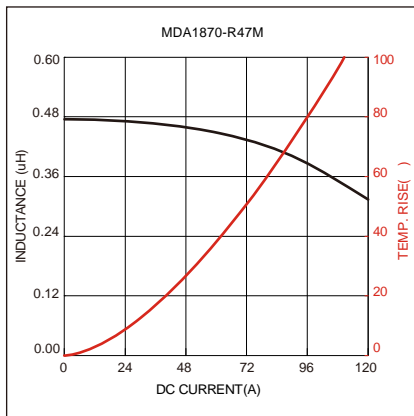
Electrical Properties:

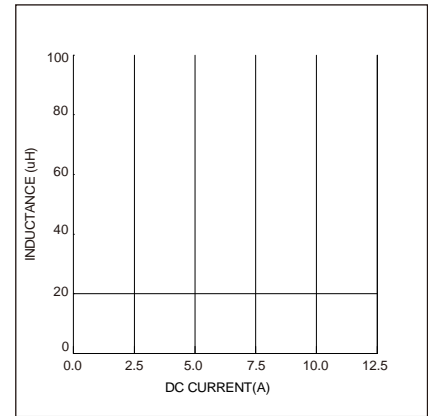
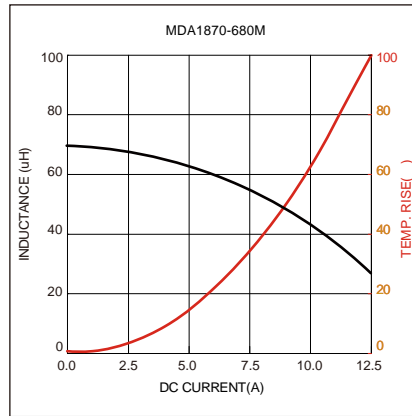
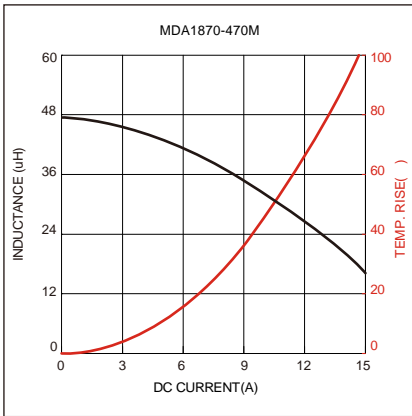
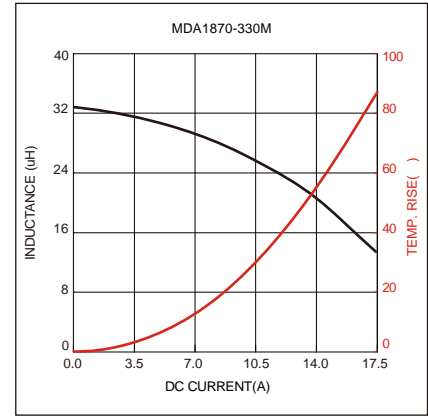
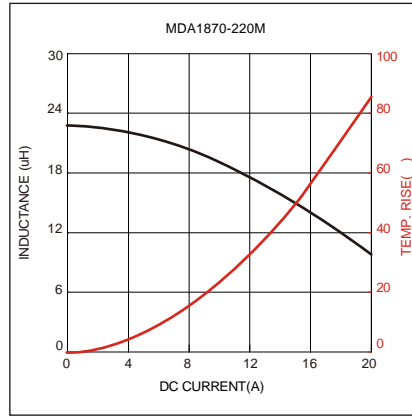
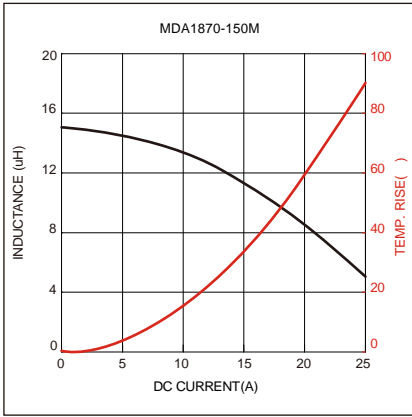
MDA1870-220M	22.0	±20%	13.5	11.5	13.5	11.5	20.5	24.0
MDA1870-330M	33.0	±20%	12.0	10.0	12.0	10.0	32.0	37.0
MDA1870-470M	47.0	±20%	9.5	8.0	9.5	8.0	40.0	47.0
MDA1870-680M	68.0	±20%	8.0	6.5	8.5	7.2	66.0	76.0
MDA1870-820M	82.0	±20%	6.5	5.7	8.0	6.5	69.0	83.0

Saturation Current will cause L to drop approximately 30%

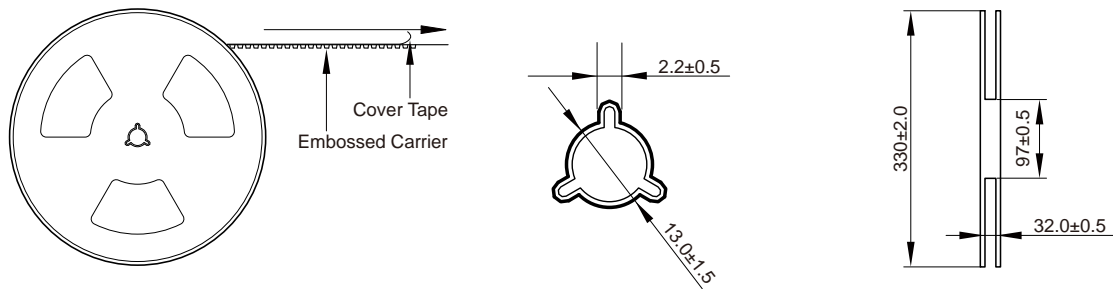
Temperature Rise Current: The actual value of DC current when the temperature rise is $T=40^{\circ}\text{C}$

Typical Electrical Characteristics:

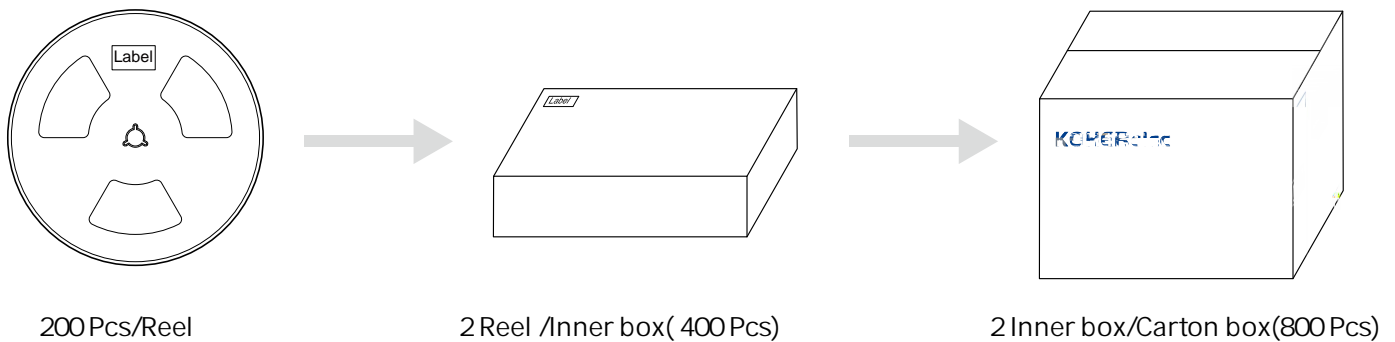




Reel Dimension : [mm]



Packaging Quantity:



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.
- Product should not be exposed to environment with high temperature, high humidity, dust, corrosive gas and etc.
- Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- Please always handle products carefully to prevent any damage caused by dropping down or inappropriate removing.

Operation Instructions:

- Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- Before soldering, be sure to preheat components.The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°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.
- Generally, Koher might not be familiar with either customer's specific application or actual requests as customer does.As a result customer shall be responsible for checking and confirming whether Koher product with the performance described in the product specification is suitable for using in customer's particular application or not.