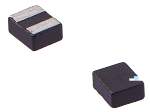
Size 25201B



**FEATURES**

- High current, low DCR,high e ciency.
- Very low acous c noise and very low leakage flux noise
- AEC-Q200 qualified
- 100% Lead(Pb)-Free and RoHS compliant.
- Opera ng temperature: -55 to +155 ℃ (including self-temperature rise)
- Mee Ṙ
-

| | Inductance @ 100KHz/1V | Tolerance | Temperature Rise Current Typ. | Temperatu Rise Curre Max. |
|---|---|---|---|---|
| | 0.10 Ƀ ń Ò B | ’ 6 | 12.0 | Ʉ Å 8.00 |
| MDTA25201B-R22M | 0.22 | | 8.20 | 7.60 |
| MDTA25201B-R33M | 0.33 | | 7.00 | 6.40 |
| MDTA25201B-R47M | 0.47 | | 6.70 | 6.00 |
| MDTA25201B-R68M | 0.68 | | 6.10 | 5.50 |
| MDTA25201B-1R0M | 1.00 | | 5.70 | 5.20 |
| MDTA25201B-1R5M | 1.50 | | 4.60 | 4.20 |
| MDTA25201B-2R2M | 2.20 | | 3.70 | 3.30 |
| MDTA25201B-3R3M | 3.30 | | 2.80 | 2.50 |
| MDTA25201B-4R7M | 4.70 | | 2.30 | 2.00 |

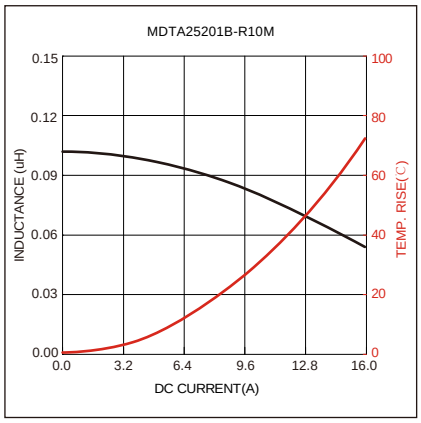
Dimensions: [mm]

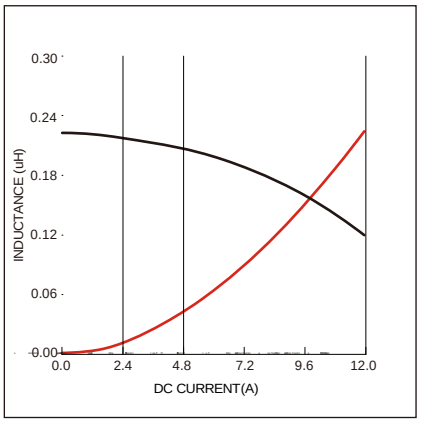
Land Pattern: [mm]

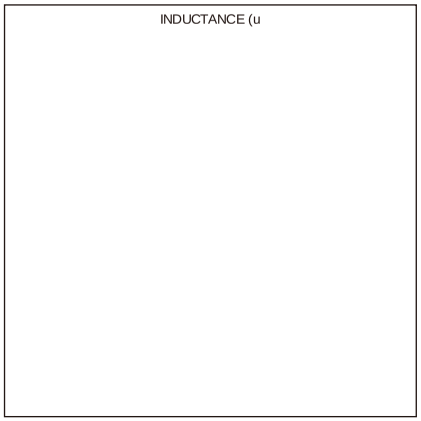
Electrical Properties:

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:



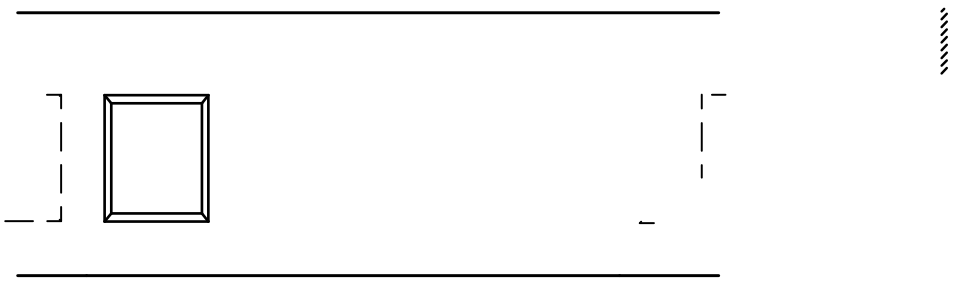




INDUCTANCE (u

Soldering Reflow:

Packaging Information:

Tape Dimension:



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.
- 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.