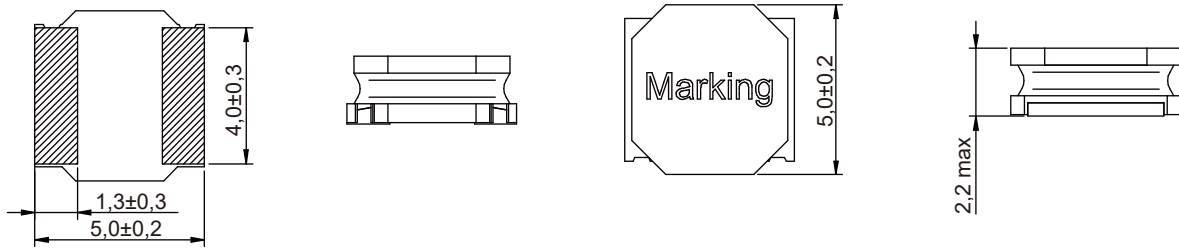
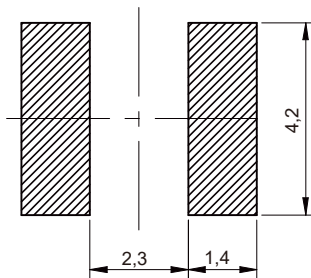


Dimensions: [mm]



Recommended Land Pattern: [mm]



Electrical Properties:

| Properties     | L<br>( $\mu$ H) | $I_R$<br>(A)                          | $I_{sat}$<br>(A)      | $R_{DC}$<br>(m $\Omega$ ) |
|----------------|-----------------|---------------------------------------|-----------------------|---------------------------|
| Value          | 4.7             | 0.7                                   | 0.8                   | 560                       |
| Tolerance      | $\pm 20\%$      | typ.                                  | typ.                  | $\pm 30\%$                |
| Test Condition | 100KHz /0.25V   | $\Delta T = 40\text{ }^\circ\text{C}$ | $ \Delta L/L  < 30\%$ | -                         |

General Information:

It is recommended that the temperature of the part does not exceed 125°C  
 Operating temperature : -40°C ~ +125°C  
 Temperature rise current: the actual value of DC current when the temperature rise is  $\Delta T 40\text{ }^\circ\text{C}$   
 Saturation Current that will cause initial inductance to drop approximately 30%

|     |           |      |    |                        |   |
|-----|-----------|------|----|------------------------|---|
|     |           |      |    | UNIT: MM               | <br>KOHER (Shanghai) Electronic Co.,Ltd       |
|     |           |      |    | SCALE:                 |   |
|     |           |      |    | SHEET: 1/1             |   |
|     |           |      |    | APPROVAL: KAY          |   |
|     |           |      |    | SIZE: A4               | DESCRIPTION: SMD Shielded Tiny Power Inductor |
| A   | 05-FEB-19 | PDF  | CY | PACKING UNIT: 3000 pcs | PART NO: NRSC5020-470M                        |
| REV | DATE      | FILE | BY |                        |   |

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