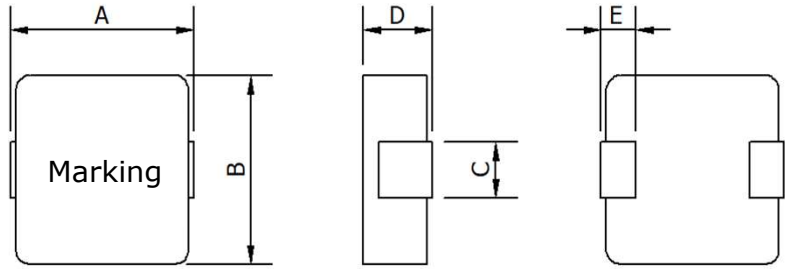


## Dimensions

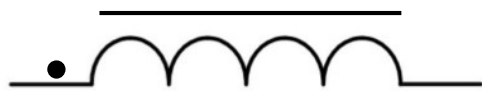


| A              | B              | C             | D             | E             |
|----------------|----------------|---------------|---------------|---------------|
| 10.5±1.0<br>mm | 10.3±0.3<br>mm | 3.0±0.3<br>mm | 4.0Max.<br>mm | 2.0±0.5<br>mm |

## Product Marking

|                 |                       |
|-----------------|-----------------------|
| Product Marking | R68 (Inductance Code) |
|-----------------|-----------------------|

## Schematic Drawing



Equivalent Circuit

## Electrical Properties

| Properties          |                  | Value | Unit | Tol. | Test Conditions                        |
|---------------------|------------------|-------|------|------|--|
| Inductance          | L                | 0.68  | μH   | ±20% | 100KHz 1.0V                            |
| Heat Rating Current | I <sub>rms</sub> | 25.0  | A    | Typ. |  |
| Saturation Current  | I <sub>sat</sub> | 45.0  | A    | Typ. | L 45.0A drop 25% MAX.<br>@ 100KHz/1.0V |
| DC Resistance       | R <sub>DC</sub>  | 2.2   | mΩ   | Typ. |  |
| DC Resistance       | R <sub>DC</sub>  | 2.4   | mΩ   | Max  |  |

Operating temperature range: -45 to + 125 °C

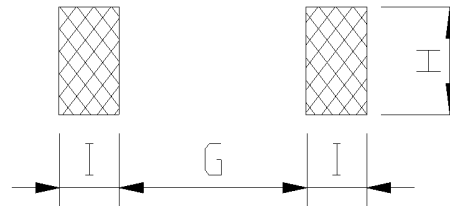
Storage condition:

Temperature Range: 0°C ~ 35°C; -40°C ~ 105°C (after PCB)

Humidity Range: 50% ~ 70% RH

Packaging: Taping : 1000 Piece/reel

## Recommended land pattern



|          |               |
|----------|---------------|
| <b>G</b> | 4.85 mm (REF) |
| <b>H</b> | 3.80 mm (REF) |
| <b>I</b> | 3.50 mm (REF) |