



### Features

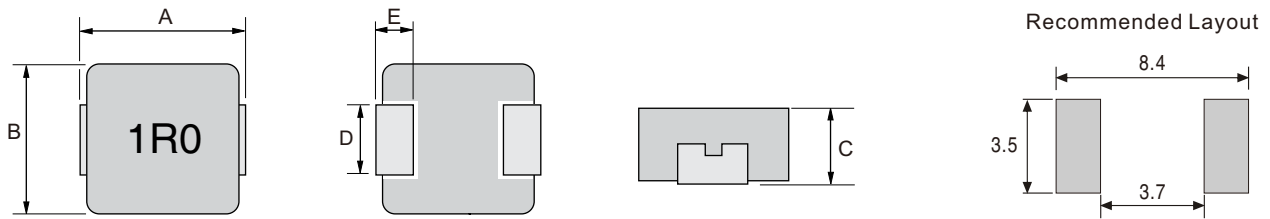
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

### General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1



## ▶ Shape and Dimensions (Unit:mm)



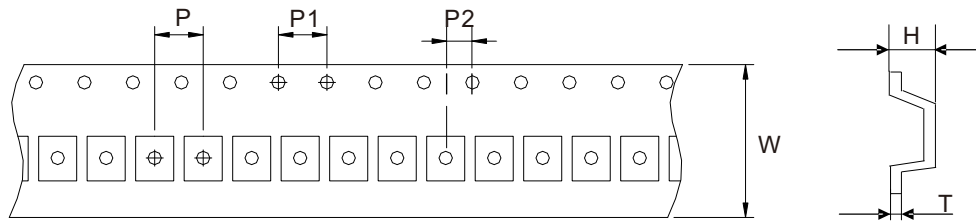
| Type   | A       | B       | C       | D       | E       |
|--------|---------|---------|---------|---------|---------|
| HI0624 | 7.0±0.3 | 6.6±0.2 | 2.2±0.2 | 3.0±0.3 | 1.6±0.3 |

## ▶ Electrical Characteristics For HI0624 Series @ 25°C

| Part Number | Inductance (μH)<br>±20% | DCR (mΩ)<br>Max. | Isat (A)<br>Typ. | Irms (A)<br>Typ. |
|-------------|-------------------------|------------------|------------------|------------------|
| HI0624-R22M | 0.22                    | 3                | 34               | 21               |
| HI0624-R33M | 0.33                    | 4.1              | 24.5             | 18               |
| HI0624-R47M | 0.47                    | 5.1              | 22               | 15               |
| HI0624-R56M | 0.56                    | 6.5              | 17               | 13               |
| HI0624-R68M | 0.68                    | 7                | 16               | 12               |
| HI0624-1R0M | 1.0                     | 13.5             | 15               | 9                |
| HI0624-1R5M | 1.5                     | 20               | 13.5             | 8.2              |
| HI0624-2R2M | 2.2                     | 28               | 10               | 7                |
| HI0624-3R3M | 3.3                     | 39               | 8                | 5.5              |
| HI0624-4R7M | 4.7                     | 50               | 6.5              | 5                |
| HI0624-6R8M | 6.8                     | 70               | 6                | 4                |
| HI0624-100M | 10                      | 101              | 4                | 3.1              |
| HI0624-150M | 15                      | 160              | 3.3              | 2.5              |
| HI0624-220M | 22                      | 230              | 2.5              | 2                |

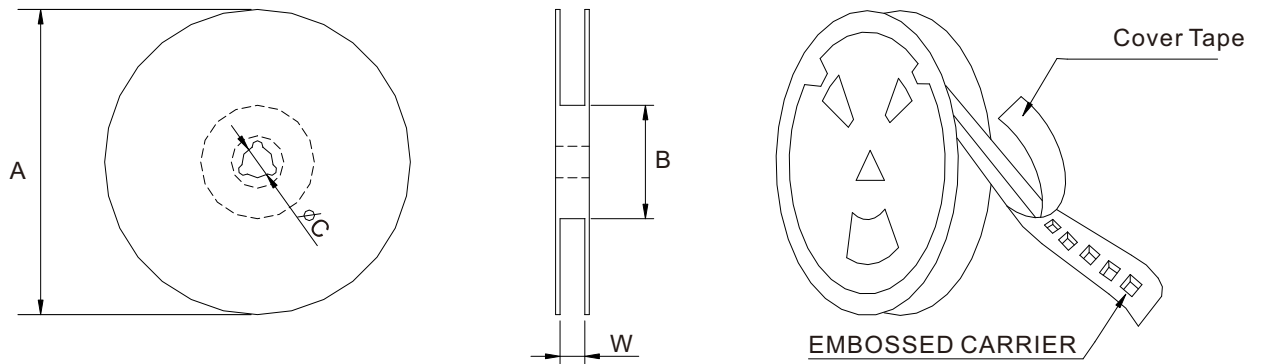
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

## ▶ Tape & Reel Specifications:



Unit: mm

| Type   | Dimension | W    | P    | P1   | P2   | H    | T     |
|--------|-----------|------|------|------|------|------|-------|
|        | Tolerance | ±0.3 | ±0.1 | ±0.1 | ±0.1 | ±0.1 | ±0.05 |
| HI0624 |           | 16.0 | 12.0 | 4.0  | 2.0  | 2.70 | 0.35  |



Unit: mm

| Type   | Dimension | QTY Per Reel | A    | B    | C    | W    |
|--------|-----------|--------------|------|------|------|------|
|        | Tolerance | PCS          | ±2.0 | ±0.5 | ±0.5 | ±0.5 |
| HI0624 |           | 1500         | 330  | 97   | 13   | 16.8 |