



Features

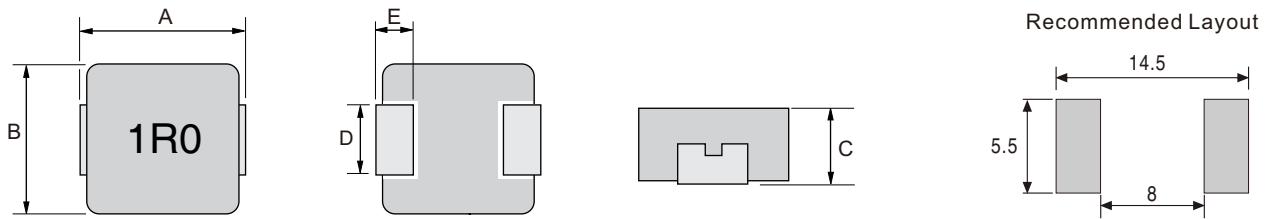
- Shielded Construction
- Core Material: Metal alloy powder
- Low core loss
- Ultra low buzz noise
- RoHS, Halogen Free and REACH compliance

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)



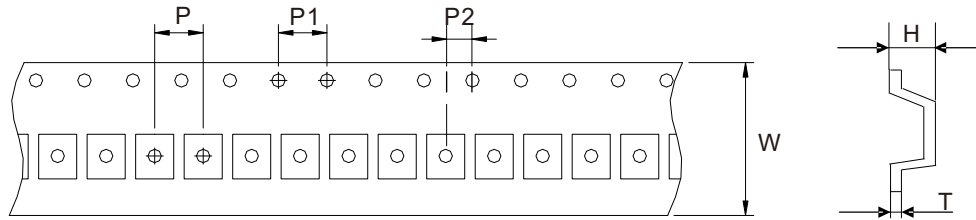
| Type | A | B | C | D | E |
|--------|------------|----------|---------|---------|---------|
| HI1260 | 13.45±0.35 | 12.8±0.5 | 6.0 Max | 5.0±0.3 | 2.0±0.5 |

▶ Electrical Characteristics For HI1260 Series @ 25°C

| Part Number | Inductance (μH) ±20% | DCR (mΩ) Max. | Isat (A) Typ. | Irms (A) Typ. |
|-------------|-------------------------|------------------|------------------|------------------|
| HI1260-4R7M | 4.7 | 9 | 24 | 15 |
| HI1260-5R6M | 5.6 | 11 | 22.5 | 13 |
| HI1260-6R8M | 6.8 | 13.5 | 19 | 12 |
| HI1260-8R2M | 8.2 | 16 | 13.5 | 11 |
| HI1260-100M | 10 | 20.7 | 12.5 | 10 |
| HI1260-120M | 12 | 23 | 10 | 9 |
| HI1260-150M | 15 | 29 | 9 | 8.5 |
| HI1260-180M | 18 | 35 | 8 | 7.5 |
| HI1260-220M | 22 | 39.5 | 7.5 | 7 |
| HI1260-270M | 27 | 56 | 6.5 | 6 |
| HI1260-330M | 33 | 75 | 6 | 5.5 |
| HI1260-470M | 47 | 90 | 5.5 | 5 |
| HI1260-680M | 68 | 140 | 4.5 | 4 |
| HI1260-101M | 100 | 200 | 3.5 | 3 |
| HI1260-121M | 120 | 235 | 3.2 | 2 |
| HI1260-151M | 150 | 350 | 2.7 | 1.5 |

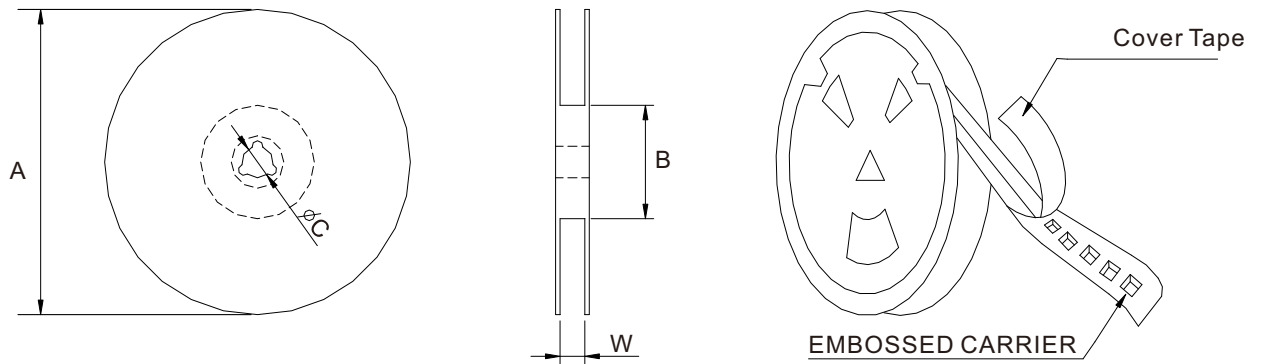
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

▶ Tape & Reel Specifications:



Unit: mm

| Type | Dimension | W | P | P1 | P2 | H | T |
|--------|-----------|------|------|------|------|-------|-------|
| | Tolerance | ±0.3 | ±0.1 | ±0.1 | ±0.1 | ±0.15 | ±0.05 |
| HI1260 | | 24.0 | 16.0 | 4.0 | 2.0 | 6.30 | 0.50 |



Unit: mm

| Type | Dimension | QTY Per Reel | A | B | C | W |
|--------|-----------|--------------|------|------|------|------|
| | Tolerance | PCS | ±2.0 | ±0.5 | ±0.5 | ±0.5 |
| HI1260 | | 500 | 330 | 97 | 13 | 24.8 |