

PRODUCT SPECIFICATION

SPEC. NO.

T-0648-100



1. Scope

This specification applies Ferrite Power Inductors PIE4030L-Series-TY to be delivered to user.

2. Product Identification

PIE 4030L - 4R7 □ - TY

(1) (2) (3) (4) (5)

(1) Product name

(2) Shapes and dimensions

(3) Inductance

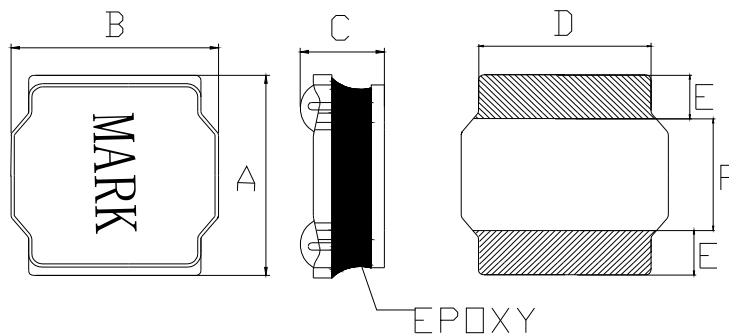
4R7 : 4.7 uH

(4) Tolerance

M=±20%、N=±30%

(5) Taping Type

3. Shapes and Dimensions



A:4.0±0.2 mm




B:4.0±0.2 mm

C:3.0 Max. mm

D:3.2 Ref. mm

E:0.95 Ref. mm

F:2.1 Ref. mm

| Drawn by | Checked by | Approved by |
|---|--|--|
|  Jun. 27, 2022 |  Jun. 27, 2022 |  Jun. 27, 2022 |

PRODUCT SPECIFICATION

SPEC. NO.

T-0648-100



4. Electrical Characteristics

4-1 Electrical Spec.

| Customer Part Number | Our Product Part Number | Inductance (uH) | Tolerance (±%) | RDC(mΩ) | | Isat(A) | Irms(A) | Marking |
|----------------------|-------------------------|-----------------|----------------|---------|------|---------|---------|---------|
| | | | | Max. | Typ. | Typ. | Typ. | |
| | PIE4030L-1R0□-TY | 1.0 | N | 18 | 14 | 5.26 | 4.15 | 1R0 |
| | PIE4030L-1R5□-TY | 1.5 | M | 26 | 20 | 4.84 | 3.34 | 1R5 |
| | PIE4030L-2R2□-TY | 2.2 | M | 39 | 30 | 4.90 | 2.95 | 2R2 |
| | PIE4030L-3R3□-TY | 3.3 | M | 52 | 40 | 3.30 | 2.40 | 3R3 |
| | PIE4030L-3R9□-TY | 3.9 | M | 74 | 57 | 3.00 | 2.10 | 3R9 |
| | PIE4030L-4R7□-TY | 4.7 | M | 78 | 60 | 2.90 | 2.00 | 4R7 |
| | PIE4030L-6R8□-TY | 6.8 | M | 117 | 90 | 2.75 | 1.60 | 6R8 |
| | PIE4030L-100□-TY | 10 | M | 130 | 100 | 1.95 | 1.50 | 100 |
| | PIE4030L-150□-TY | 15 | M | 247 | 190 | 1.65 | 1.11 | 150 |
| | PIE4030L-220□-TY | 22 | M | 293 | 225 | 1.30 | 1.00 | 220 |
| | PIE4030L-330□-TY | 33 | M | 429 | 330 | 1.10 | 0.84 | 330 |
| | PIE4030L-470□-TY | 47 | M | 579 | 445 | 0.95 | 0.72 | 470 |
| | PIE4030L-510□-TY | 51 | M | 611 | 470 | 0.90 | 0.70 | 510 |
| | PIE4030L-680□-TY | 68 | M | 1128 | 868 | 0.72 | 0.52 | 680 |
| | PIE4030L-121□-TY | 120 | M | 1755 | 1350 | 0.55 | 0.42 | 121 |
| | PIE4030L-471□-TY | 470 | M | 9360 | 7200 | 0.30 | 0.20 | 471 |

1. When ordering, please specify tolerance and packaging codes. Ex: PIE4030L-4R7M-TY

Tolerance : M=±20%、N=±30%

2. Test Frequency: 100KHz/0.25V

3. Rated Current Ind. drops of 30% typ. at Isat

4. Temperature Rise: 40°C typ. at Irms