

■ Features

- Low cost and high reliability.
- Coating epoxy resin that ensures the humidity resistance to be long life.
- Design to be compact,small and light-weight,wide range of inductance.
- Contibute to be high Q and self-resonent frequencies.
- Tapping type that is convenient for automatic insertion.

■ Applications

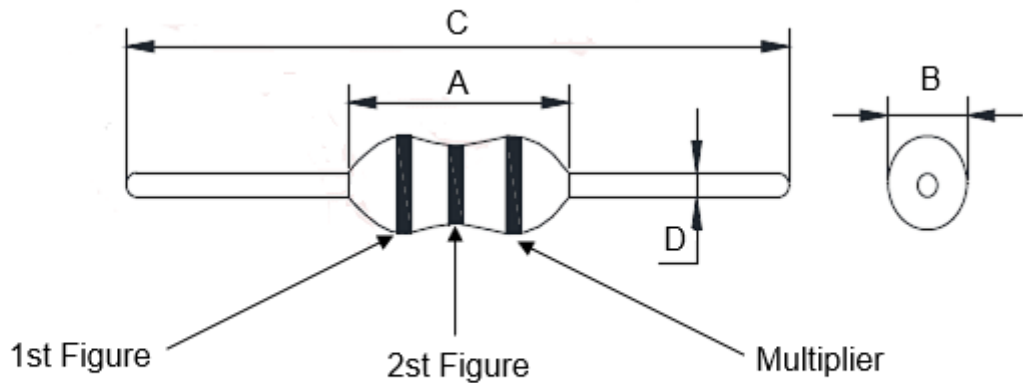
- Electronics products.
- Communication equipment.
- Computer Devices.
- TV,VCR and radios.

■ Product Identification



- (1) : Type
- (2) : Dimensions
- (3) : Inductance value
- (4) : Inductance Tolerance : N=±30%,M=±20% , K=±10% , J=±5%

Shapes and Dimensions (Unit: mm)



| TYPE | A Max. | B Max. | C | D |
|---------|--------|--------|----------|-----------|
| YAL0204 | 4.0 | 2.8 | 62.0±2.0 | 0.45±0.05 |

Color Coding

| Color | Nominal inductance (uH) | | | |
|-----------------|-------------------------|------------|------------|-----------|
| | 1st Figure | 2nd Figure | Multiplier | Tolerance |
| Black 黑 | 0 | | ×1 | ±20% |
| Brown 棕 | 1 | | ×10 | — |
| Red 红 | 2 | | ×100 | — |
| Orange 橙 | 3 | | ×1000 | — |
| Yellow 黄 | 4 | | — | — |
| Green 绿 | 5 | | — | — |
| Blue 蓝 | 6 | | — | — |
| Violet 紫 | 7 | | — | — |
| Gray 灰 | 8 | | — | — |
| White 白 | 9 | | — | — |
| Gold 金 | — | | ×0.1 | ±5% |
| Silver 银 | — | | ×0.01 | ±10% |

■ YAL0204 Series

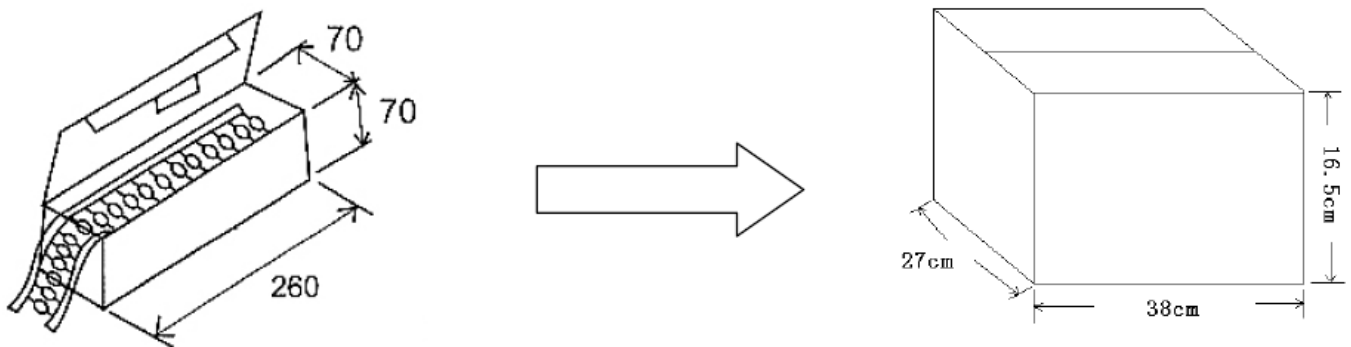
| Part Number | Inductance (uH) | Test Freq. (MHz) | Q Min | SRF Min (MHz) | DCR Max. (Ω) | Rated Current(mA) |
|--------------|--------------------|---------------------|-------|------------------|-----------------|----------------------|
| YAL0204-R10□ | 0.10 | 25.2 | 35 | 300 | 0.18 | 700 |
| YAL0204-R15□ | 0.15 | 25.2 | 35 | 300 | 0.22 | 620 |
| YAL0204-R18□ | 0.18 | 25.2 | 35 | 300 | 0.24 | 600 |
| YAL0204-R22□ | 0.22 | 25.2 | 35 | 150 | 0.40 | 400 |
| YAL0204-R33□ | 0.33 | 25.2 | 35 | 150 | 0.48 | 370 |
| YAL0204-R39□ | 0.39 | 25.2 | 35 | 150 | 0.51 | 350 |
| YAL0204-R47□ | 0.47 | 25.2 | 35 | 150 | 0.56 | 330 |
| YAL0204-R68□ | 0.68 | 25.2 | 35 | 150 | 0.67 | 310 |
| YAL0204-R82□ | 0.82 | 25.2 | 35 | 150 | 0.74 | 290 |
| YAL0204-1R0□ | 1.0 | 25.2 | 35 | 150 | 0.80 | 270 |
| YAL0204-1R2□ | 1.2 | 7.96 | 40 | 110 | 0.90 | 260 |
| YAL0204-1R5□ | 1.5 | 7.96 | 40 | 70 | 1.00 | 250 |
| YAL0204-1R8□ | 1.8 | 7.96 | 40 | 60 | 1.10 | 240 |
| YAL0204-2R2□ | 2.2 | 7.96 | 40 | 45 | 1.20 | 230 |
| YAL0204-2R7□ | 2.7 | 7.96 | 40 | 40 | 1.30 | 220 |
| YAL0204-3R3□ | 3.3 | 7.96 | 40 | 38 | 1.40 | 210 |
| YAL0204-4R7□ | 4.7 | 7.96 | 40 | 32 | 1.70 | 190 |
| YAL0204-5R6□ | 5.6 | 7.96 | 40 | 30 | 1.90 | 180 |
| YAL0204-6R8□ | 6.8 | 7.96 | 40 | 28 | 2.00 | 175 |
| YAL0204-8R2□ | 8.2 | 7.96 | 40 | 26 | 2.20 | 165 |
| YAL0204-100□ | 10 | 7.96 | 40 | 24 | 2.50 | 160 |
| YAL0204-120□ | 12 | 2.52 | 40 | 22 | 2.50 | 150 |
| YAL0204-150□ | 15 | 2.52 | 40 | 20 | 2.80 | 145 |
| YAL0204-180□ | 18 | 2.52 | 40 | 18 | 3.10 | 140 |
| YAL0204-220□ | 22 | 2.52 | 40 | 17 | 3.40 | 100 |

■ YAL0204 Series

| Part Number | Inductance (uH) | Test Freq. (MHz) | Q Min | SRF Min (MHz) | DCR Max. (Ω) | Rated Current(mA) |
|--------------|-----------------|------------------|-------|---------------|--------------|-------------------|
| YAL0204-270□ | 27 | 2.52 | 40 | 16 | 4.30 | 80 |
| YAL0204-330□ | 33 | 2.52 | 40 | 14 | 4.70 | 75 |
| YAL0204-470□ | 47 | 2.52 | 40 | 12 | 5.80 | 70 |
| YAL0204-560□ | 56 | 2.52 | 40 | 11 | 6.40 | 68 |
| YAL0204-680□ | 68 | 2.52 | 40 | 10 | 7.20 | 64 |
| YAL0204-820□ | 82 | 2.52 | 40 | 9.5 | 11.0 | 46 |
| YAL0204-101□ | 100 | 2.52 | 40 | 9.0 | 12.0 | 44 |
| YAL0204-121□ | 120 | 0.796 | 40 | 8.0 | 13.0 | 42 |
| YAL0204-151□ | 150 | 0.796 | 40 | 6.0 | 16.0 | 39 |
| YAL0204-181□ | 180 | 0.796 | 40 | 5.0 | 18.0 | 37 |
| YAL0204-221□ | 220 | 0.796 | 40 | 5.0 | 20.0 | 35 |
| YAL0204-271□ | 270 | 0.796 | 40 | 4.6 | 25.0 | 25 |
| YAL0204-331□ | 330 | 0.796 | 40 | 4.2 | 30.0 | 25 |

※ Design as Customer's Requested Specifications.

■ Package Specification (Unit:mm)



| TYPE | Packaging Materials | Reference Dimension | Material | Quantity/Box | Quantity/Carton |
|---------|---------------------|---------------------|----------|--------------|-----------------|
| YAL0204 | Box | 206x70x70(mm) | B5B-E | 3000 PCS | 30000 PCS |

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