

■ 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.
- Contribute to be high Q and self-resonant frequencies.
- Tapping type that is convenient for automatic insertion.

■ Applications

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

■ Product Identification

$\frac{\text{YAL}}{(1)} \quad \frac{\square\square\square\square}{(2)} - \frac{\square\square\square}{(3)} \quad \frac{\square}{(4)}$

(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 |
|---------|--------|--------|----------|-----------|
| YAL0410 | 11.0 | 4.0 | 62.0±2.0 | 0.60±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% |

■ YAL0410 Series

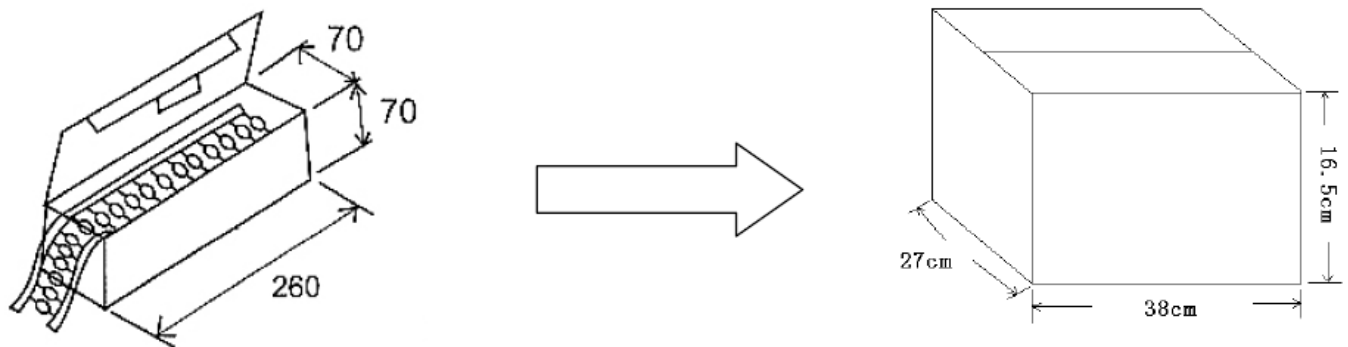
| Part Number | Inductance (uH) | Test Freq. (MHz) | Q Min | SRF Min (MHz) | DCR Max. (Ω) | Rated Current(mA) |
|--------------|--------------------|---------------------|-------|------------------|-----------------|----------------------|
| YAL0410-R10□ | 0.10 | 25.2 | 25 | 480 | 0.06 | 1700 |
| YAL0410-R15□ | 0.15 | 25.2 | 25 | 420 | 0.07 | 1560 |
| YAL0410-R18□ | 0.18 | 25.2 | 25 | 400 | 0.07 | 1480 |
| YAL0410-R22□ | 0.22 | 25.2 | 25 | 380 | 0.08 | 1400 |
| YAL0410-R33□ | 0.33 | 25.2 | 25 | 300 | 0.10 | 1280 |
| YAL0410-R39□ | 0.39 | 25.2 | 25 | 280 | 0.12 | 1200 |
| YAL0410-R47□ | 0.47 | 25.2 | 25 | 250 | 0.13 | 1150 |
| YAL0410-R68□ | 0.68 | 25.2 | 25 | 210 | 0.15 | 1030 |
| YAL0410-R82□ | 0.82 | 25.2 | 45 | 172 | 0.16 | 980 |
| YAL0410-1R0□ | 1.0 | 25.2 | 45 | 157 | 0.17 | 920 |
| YAL0410-1R5□ | 1.5 | 7.96 | 50 | 131 | 0.20 | 830 |
| YAL0410-1R8□ | 1.8 | 7.96 | 55 | 121 | 0.22 | 790 |
| YAL0410-2R2□ | 2.2 | 7.96 | 55 | 110 | 0.24 | 750 |
| YAL0410-2R7□ | 2.7 | 7.96 | 55 | 100 | 0.30 | 720 |
| YAL0410-3R3□ | 3.3 | 7.96 | 65 | 94 | 0.30 | 670 |
| YAL0410-3R9□ | 3.9 | 7.96 | 65 | 86 | 0.35 | 640 |
| YAL0410-4R7□ | 4.7 | 7.96 | 70 | 80 | 0.40 | 620 |
| YAL0410-6R8□ | 6.8 | 7.96 | 75 | 68 | 0.50 | 550 |
| YAL0410-8R2□ | 8.2 | 7.96 | 80 | 53 | 0.60 | 530 |
| YAL0410-100□ | 10 | 7.96 | 80 | 45 | 0.65 | 500 |
| YAL0410-120□ | 12 | 2.52 | 70 | 35 | 0.70 | 480 |
| YAL0410-150□ | 15 | 2.52 | 70 | 20 | 0.75 | 460 |
| YAL0410-180□ | 18 | 2.52 | 65 | 14 | 0.80 | 430 |
| YAL0410-220□ | 22 | 2.52 | 50 | 9.9 | 0.90 | 410 |
| YAL0410-270□ | 27 | 2.52 | 55 | 7.6 | 1.00 | 390 |
| YAL0410-330□ | 33 | 2.52 | 55 | 6.3 | 1.10 | 370 |

■ YAL0410 Series

| Part Number | Inductance (uH) | Test Freq. (MHz) | Q Min | SRF Min (MHz) | DCR Max. (Ω) | Rated Current(mA) |
|--------------|-----------------|------------------|-------|---------------|--------------|-------------------|
| YAL0410-390□ | 39 | 2.52 | 50 | 6.3 | 1.20 | 350 |
| YAL0410-470□ | 47 | 2.52 | 45 | 6.3 | 1.30 | 340 |
| YAL0410-680□ | 68 | 2.52 | 40 | 5.7 | 1.80 | 305 |
| YAL0410-820□ | 82 | 2.52 | 35 | 5.3 | 2.00 | 290 |
| YAL0410-101□ | 100 | 2.52 | 30 | 4.8 | 2.50 | 275 |
| YAL0410-151□ | 150 | 0.796 | 70 | 4.2 | 3.50 | 175 |
| YAL0410-181□ | 180 | 0.796 | 70 | 3.3 | 4.60 | 165 |
| YAL0410-221□ | 220 | 0.796 | 70 | 3.0 | 5.10 | 155 |
| YAL0410-331□ | 330 | 0.796 | 65 | 2.6 | 6.50 | 137 |
| YAL0410-391□ | 390 | 0.796 | 65 | 2.4 | 7.50 | 133 |
| YAL0410-471□ | 470 | 0.796 | 60 | 2.2 | 8.50 | 126 |
| YAL0410-561□ | 560 | 0.796 | 60 | 2.1 | 9.50 | 120 |
| YAL0410-681□ | 680 | 0.796 | 55 | 1.9 | 12.0 | 113 |
| YAL0410-821□ | 820 | 0.796 | 55 | 1.8 | 14.0 | 105 |
| YAL0410-102□ | 1000 | 0.796 | 50 | 1.4 | 20.0 | 85 |

※ Design as Customer's Requested Specifications.

■ Package Specification (Unit:mm)



| TYPE | Packaging Materials | Reference Dimension | Material | Quantity/Box | Quantity/Carton |
|---------|---------------------|---------------------|----------|--------------|-----------------|
| YAL0410 | Box | 206x70x70(mm) | B5B-E | 1500 PCS | 15000 PCS |

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