

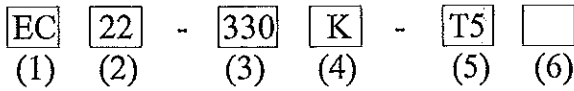
High - Performance ferrite cores with a special structure are used in the Ec22 type .Therefore, these ultra miniature lightweight conformal coated inductors allow inductance values up to 1.00  $\mu$  H.

**FEATURES**

- (1)Small,lightweight design.
- (2)Special magnetic core structure contributes to high-Q and self-resonant frequencies.
- (3)Low distributed capacity.
- (4)Treated with epoxy resin coating for humidity resistance to ensure longer life.
- (5)Heat-resistant adhesives and special structural design for effective open-circuit measurement.

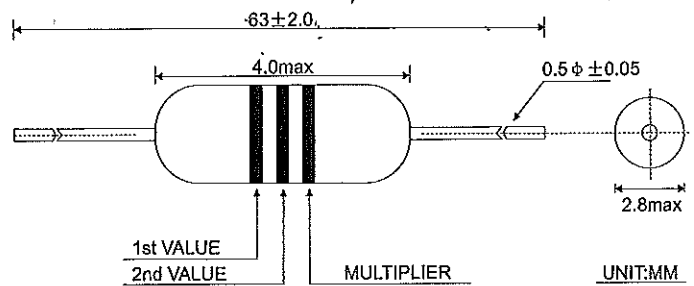
- Style ..... Axial lead type
- Temperature rise ..... 20°C
- Ambient temperature ..... 80°C
- Rated temperature range ..... -20°C to +100°C
- Dielectric withstanding voltage..... 250 Vr.m.s.
- Rated current ..... Based on temperature rise
- Terminal tensile strength ..... 1.0kg min.
- Terminal bending strength ..... 0.3kg min.
- Moisture resistance characteristic.  
..... $\Delta L/L \leq \pm 5\%, \Delta Q/Q \leq \pm 20\%$

**ORDERING INFORMATION**



- (1)TYPE
- (2)STYLE
- (3)INDUCTANCE
- (4)TOLERANCE
- (5)TAPING OR FORMING
- (6)IF YOU NEED "AMMO PACK",PLEASE ADD "A"

**COLOR CODE**



| Color code | Significant figure | Multiplier |
|------------|--------------------|------------|
| Black      | 0                  | 1          |
| Brown      | 1                  | 10         |
| Red        | 2                  | 10         |
| Orange     | 3                  | 1000       |
| Yellow     | 4                  | -          |
| Green      | 5                  | -          |
| Blue       | 6                  | -          |
| Violet     | 7                  | -          |
| Gray       | 8                  | -          |
| White      | 9                  | -          |
| Black      | -                  | -          |
| Silver     | -                  | 0.01       |
| Gold       | -                  | 0.1        |

滿足顧客的特別要求 CUSTOMER'S SPECIFICATIONS ARE WELCOME

| PART NO.  | INDUTANCE (μ h) | INDUTANCE TOLERANCE  | QUALITY FACTOR (MIN) | TESTING FREQ (MHZ) | S.R.F (MHZ) MIN | DC RESISTANCE (Ω)MAX | RATED DC CURRENT (mA)MAX |
|-----------|-----------------|----------------------|----------------------|--------------------|-----------------|----------------------|--------------------------|
| EC22-R10M | 0.10            | M(±20%)<br>[K(±10%)] | 35                   | 25.2               | 250             | 0.18                 | 700                      |
| EC22-R12M | 0.12            |                      |                      |                    | 230             | 0.20                 | 660                      |
| EC22-R15M | 0.15            |                      |                      |                    | 200             | 0.22                 | 620                      |
| EC22-R18M | 0.18            |                      |                      |                    | 180             | 0.24                 | 600                      |
| EC22-R22M | 0.22            |                      |                      |                    | 160             | 0.40                 | 400                      |
| EC22-R27M | 0.27            |                      |                      |                    | 150             | 0.43                 | 380                      |
| EC22-R33M | 0.33            |                      |                      |                    | 150             | 0.48                 | 370                      |
| EC22-R39M | 0.39            |                      |                      |                    | 150             | 0.51                 | 350                      |
| EC22-R47M | 0.47            |                      |                      |                    | 150             | 0.56                 | 330                      |
| EC22-R56M | 0.56            |                      |                      |                    | 150             | 0.61                 | 320                      |
| EC22-R68M | 0.68            |                      |                      |                    | 120             | 0.67                 | 310                      |
| EC22-R82M | 0.82            |                      |                      |                    | 110             | 0.74                 | 290                      |
| EC22-1R0M | 1.0             |                      |                      |                    | 110             | 0.80                 | 270                      |
| EC22-1R2M | 1.2             |                      |                      |                    | 100             | 0.90                 | 260                      |
| EC22-1R5M | 1.5             |                      |                      |                    | 70              | 1.00                 | 250                      |
| EC22-1R8M | 1.8             |                      |                      |                    | 60              | 1.10                 | 240                      |
| EC22-2R2M | 2.2             | 45                   | 1.20                 | 230                |                 |                      |                          |
| EC22-2R7M | 2.7             | 40                   | 1.30                 | 220                |                 |                      |                          |
| EC22-3R3K | 3.3             | K(±10%)<br>[J(±5%)]  | 40                   | 7.96               | 38              | 1.40                 | 210                      |
| EC22-3R9K | 3.9             |                      |                      |                    | 36              | 1.50                 | 200                      |
| EC22-4R7K | 4.7             |                      |                      |                    | 32              | 1.70                 | 190                      |
| EC22-5R6K | 5.6             |                      |                      |                    | 30              | 1.90                 | 180                      |
| EC22-6R8K | 6.8             |                      |                      |                    | 27              | 2.00                 | 175                      |
| EC22-8R2K | 8.2             |                      |                      |                    | 26              | 2.25                 | 165                      |
| EC22-100K | 10              |                      |                      |                    | 24              | 2.50                 | 160                      |
| EC22-120K | 12              |                      |                      |                    | 19              | 2.50                 | 150                      |
| EC22-150K | 15              |                      |                      |                    | 18              | 2.80                 | 145                      |
| EC22-180K | 18              |                      |                      |                    | 17              | 3.10                 | 140                      |
| EC22-220K | 22              |                      |                      | 16                 | 3.40            | 130                  |                          |
| EC22-270K | 27              |                      |                      | 14                 | 4.30            | 80                   |                          |
| EC22-330K | 33              |                      |                      | 13                 | 4.70            | 76                   |                          |
| EC22-390K | 39              |                      |                      | 12                 | 5.20            | 74                   |                          |
| EC22-470K | 47              |                      |                      | 11                 | 5.80            | 70                   |                          |
| EC22-560K | 56              |                      |                      | 10                 | 6.40            | 68                   |                          |
| EC22-680K | 68              |                      |                      | 9.5                | 7.20            | 64                   |                          |
| EC22-820K | 82              |                      |                      | 9.0                | 11              | 46                   |                          |
| EC22-101K | 100             |                      |                      | 7.2                | 12              | 44                   |                          |
| EC22-121K | 120             |                      |                      | 6.5                | 19              | 42                   |                          |
| EC22-151K | 150             | 6.0                  | 22                   | 39                 |                 |                      |                          |
| EC22-181K | 180             | 5.2                  | 24                   | 37                 |                 |                      |                          |
| EC22-221K | 220             | 4.5                  | 28                   | 35                 |                 |                      |                          |
| EC22-271K | 270             | 3.5                  | 29                   | 28                 |                 |                      |                          |
| EC22-331K | 330             | 3.0                  | 30                   | 26                 |                 |                      |                          |
|           |                 |                      | 30                   | 0.796              |                 |                      |                          |

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