

INDUCTORS

Epoxy Coated Coils EC46 Series

Features:

- *Conformal coated inductors
- *Reliable, ideal for high efficient automatic insertion
- *Wide selection of configuration to meet different manufacturing needs

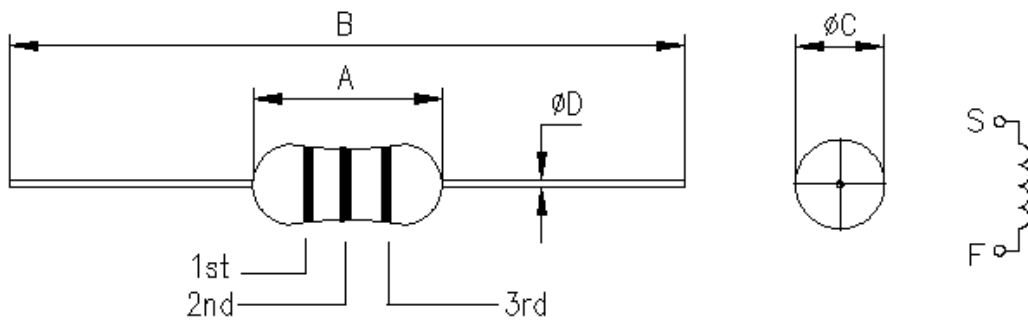
Applications:

- *Consumer electronics such as VCRs, TVs, audio equipment
- *Mobile communications

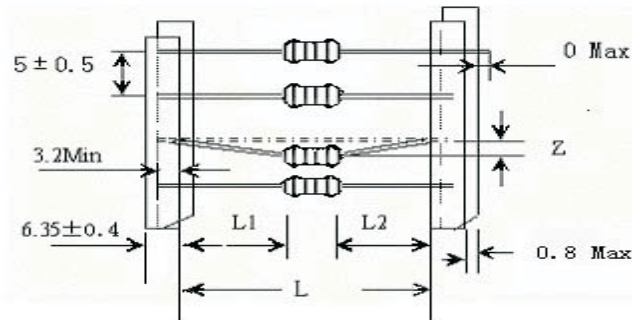


XIX

Dimensions (unit: mm)



Taping Dimensions



| A | B | C | D | L | Z |
|-----------|----------|----------|-----------|--------|----------|
| 10.5 Max. | 63.0±1.0 | 5.2 Max. | 0.65±0.05 | 52±2.0 | 1.2 Max. |

| | Nominal inductance (µH) | | | Tolerance |
|--------|-------------------------|----------------|---------------------------|----------------|
| | 1st color zone | 2nd color zone | 3rd color zone | |
| | 1st digit | 2nd digit | 3rd digit | 4th color zone |
| Black | 0 | 0 | × 100 (1) | M: ±20% |
| Brown | 1 | 1 | × 101 (10) | |
| Red | 2 | 2 | × 102 (100) | |
| Orange | 3 | 3 | × 103 (1000) | |
| Yellow | 4 | 4 | × 104 (10000) | |
| Green | 5 | 5 | × 105 (100000) | |
| Blue | 6 | 6 | | |
| Purple | 7 | 7 | | |
| Gray | 8 | 8 | | |
| White | 9 | 9 | | |
| Gold | / | / | × 10 ⁻¹ (0.1) | J: ±5% |
| Silver | / | / | × 10 ⁻² (0.01) | K: ±10% |

ORDER INFORMATION

KLS18 - EC46 -103 K - A

EC46: Type
103 : Inductance Code
K : Tolerance
A : Packing A: Ammo packing R: Reel packing B: Bulk packing

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| Type | Inductance (μH) | Tolerance | Q (min) | RDC (Ω) max | Test frequency (MHz) | SRF (MHz) min | Rated current IDC (mA) max | |
|----------------|-------------------------------|------------------------------|---------|-------------|----------------------|---------------|----------------------------|--|
| EC46-471 | 470 | M: ±20% K: ±10% J: ±5% | 60 | 7.7 | 0.796 | 1.9 | 126 | |
| EC46-561 | 560 | | 50 | 8.5 | 0.796 | 1.8 | 120 | |
| EC46-681 | 680 | | 55 | 9 | 0.796 | 1.5 | 113 | |
| EC46-821 | 820 | | 45 | 10.5 | 0.796 | 1.2 | 105 | |
| EC46-102 | 1000 | | 45 | 14 | 0.252 | 1 | 100 | |
| EC46-122 | 1200 | | 40 | 16.9 | 0.252 | 0.95 | 95 | |
| EC46-152 | 1500 | | 40 | 21.6 | 0.252 | 0.9 | 90 | |
| EC46-182 | 1800 | | 40 | 24 | 0.252 | 0.85 | 85 | |
| EC46-222 | 2200 | | 40 | 34.7 | 0.252 | 0.8 | 80 | |
| EC46-272 | 2700 | | 40 | 40 | 0.252 | 0.75 | 75 | |
| EC46-332 | 3300 | | 40 | 59.5 | 0.252 | 0.7 | 62 | |
| EC46-392 | 3900 | | 40 | 66 | 0.252 | 0.65 | 59 | |
| EC46-472 | 4700 | | 40 | 74 | 0.252 | 0.6 | 55 | |
| EC46-562 | 5600 | | 30 | 80 | 0.252 | 0.5 | 40 | |
| EC46-682 | 6800 | | 30 | 85 | 0.252 | 0.45 | 35 | |
| EC46-822 | 8200 | | 30 | 95 | 0.252 | 0.4 | 30 | |
| EC46-103 | 10000 | | 20 | 105 | 0.0796 | 0.35 | 25 | |
| Test equipment | HP4285A (HP4286A, HP4287A) | | | HP4338B | | HM9461 | HP42841A | |