

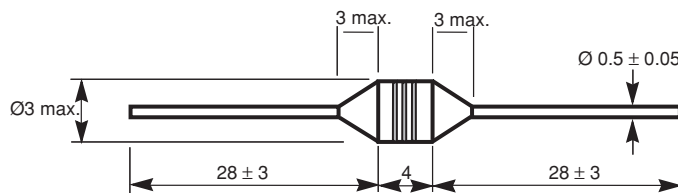
Conformal Coated Inductors, Axial Leads, Commercial Use



FEATURES

- Uniform epoxy coating for humidity
- Copper winding on magnetic core structure
- Tinned copper axial leads

DIMENSIONS in millimeters



| ELECTRICAL SPECIFICATIONS | |
|---------------------------|------------------------------------------------------------------------------------------------|
| Inductance Range | 0.1 μ H to 1000 μ H |
| Tolerance | $\pm 20\%$ 0.1 μ H < L \leq 0.82 μ H $\pm 10\%$ 1 μ H < L \leq 1000 μ H |
| Limiting Voltage | 250VRMS |

MECHANICAL SPECIFICATIONS

| | |
|--------------|---------------|
| Coating | epoxy resin |
| Terminations | tinned copper |
| Weight | 0.25g |

ENVIRONMENTAL SPECIFICATIONS

| | |
|-----------------------|----------------|
| Operating Temperature | + 80°C |
| Temperature Limits | - 20°C + 100°C |



| EC24 INDUCTORS - STANDARD VALUES | | | | | | |
|-----------------------------------------|-------------|--------|--------------------|-------------------|--------------|-----------|
| INDUCTANCE VALUE μH | TOLERANCE % | Q MIN. | TEST FREQUENCY MHz | DCR MAX. Ω | SRF MIN. MHz | I MAX. mA |
| 0.10 | $\pm 20\%$ | 30 | 25.2 | 0.085 | 280 | 700 |
| 0.12 | | | | 0.085 | 280 | |
| 0.15 | | ↓ | | 0.095 | 280 | |
| 0.18 | | 30 | | 0.12 | 280 | |
| 0.22 | | 40 | | 0.15 | 280 | |
| 0.27 | | | | 0.15 | 260 | |
| 0.33 | | | | 0.15 | 250 | |
| 0.39 | | | | 0.17 | 220 | |
| 0.47 | | | | 0.17 | 200 | |
| 0.56 | | | | 0.17 | 180 | |
| 0.68 | ↓ | | | 0.18 | 160 | |
| 0.82 | $\pm 20\%$ | | | 0.18 | 140 | |
| 1 | $\pm 10\%$ | | 25.2 | 0.18 | 135 | |
| 1.2 | | | 7.96 | 0.18 | 135 | ↓ |
| 1.5 | | | | 0.20 | 130 | 700 |
| 1.8 | | | | 0.23 | 125 | 655 |
| 2.2 | | | | 0.25 | 80 | 630 |
| 2.7 | | | | 0.28 | 80 | 595 |
| 3.3 | | | | 0.30 | 70 | 575 |
| 3.9 | | | | 0.32 | 65 | 555 |
| 4.7 | | | | 0.35 | 45 | 530 |
| 5.6 | | | | 0.40 | 49 | 500 |
| 6.8 | | | | 0.45 | 30 | 470 |
| 8.2 | | | ↓ | 0.56 | 28 | 425 |
| 10 | | | 7.96 | 0.72 | 22 | 370 |
| 12 | | | 2.52 | 0.80 | 20 | 350 |
| 15 | | | | 0.88 | 16 | 335 |
| 18 | | | | 1 | 15 | 315 |
| 22 | | | | 1.20 | 13 | 285 |
| 27 | | | | 1.35 | 11 | 270 |
| 33 | | ↓ | | 1.50 | 10 | 255 |
| 39 | | 40 | | 1.70 | 9.5 | 240 |
| 47 | | 50 | | 2.30 | 8.5 | 205 |
| 56 | | | | 2.60 | 7.5 | 195 |
| 68 | | | | 2.90 | 6.5 | 185 |
| 82 | | ↓ | ↓ | 3.20 | 6 | 175 |
| 100 | | 50 | 2.52 | 3.50 | 5.5 | 165 |
| 120 | | 60 | 0.796 | 3.80 | 5.4 | 160 |
| 150 | | | | 4.40 | 4.75 | 150 |
| 180 | | | | 5 | 4.35 | 140 |
| 220 | | | | 5.70 | 4 | 130 |
| 270 | | | | 7.50 | 3.7 | 120 |
| 330 | | | | 9.50 | 3.4 | 100 |
| 390 | | | | 10.5 | 2.8 | 95 |
| 470 | | | | 11.6 | 2.56 | 90 |
| 560 | | | | 13 | 2.35 | 85 |
| 680 | | ↓ | | 18 | 2 | 75 |
| 820 | | 60 | ↓ | 23.7 | 1.60 | 65 |
| 1000 | $\pm 10\%$ | 50 | 0.796 | 30 | 1.15 | 60 |

PACKAGING

2000 pieces tape in box "ammopack"
 5000 pieces tape and reel
 On request : 2000 pieces tape and reel radial style available (consult VISHAY AZTRONIC for dimensions).

MARKING

4 color band.

ORDERING INFORMATION

| | | | | |
|-----------|-----------|-------------------------------------|------------------------------|------------------------------------------------------------------|
| EC | 24 | 0.47μH | $\pm 20\%$ | B |
| SERIES | STYLE | INDUCTANCE VALUE | TOLERANCE | PACKAGING |
| | | | | R: tape and reel B: tape in box "Ammopack" E: radial style |