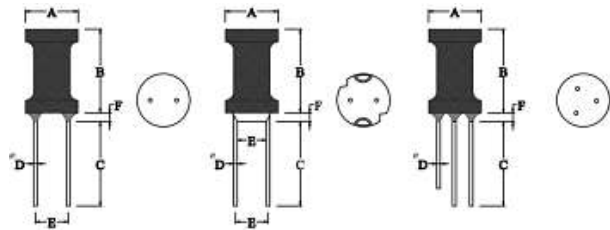
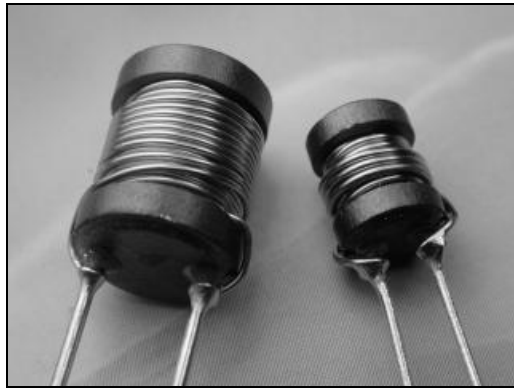




Leaded Wire Wound Inductor – SPK Series



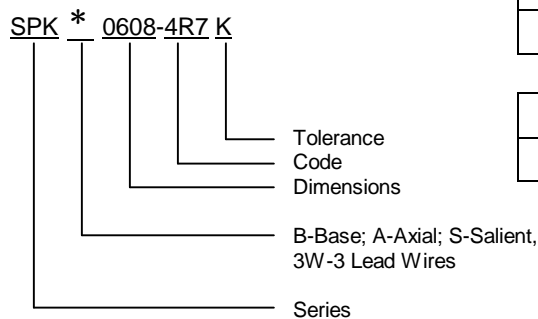
Features

- Designed for power supply with high reliability and saturation
- High current rating for high current circuits
- Designed by special lead wire to prevent open circuit failure

Dimensions

| Part No. | SPK0406 | SPK0608 | SPK0810 | SPK0912 | SPK1016 |
|----------|-------------|-------------|-------------|-------------|-------------|
| A | 5.5 Max. | 7.5 Max. | 9.5 Max. | 10.5 Max. | 11.5 Max. |
| B | 7.5 Max. | 9.5 Max. | 11.5 Max. | 13.5 Max. | 17.5 Max. |
| C | 16.0 ± 3.0 | 16.0 ± 3.0 | 16.0 ± 3.0 | 16.0 ± 3.0 | 16.0 ± 3.0 |
| D | 0.50 ± 0.05 | 0.65 ± 0.05 | 0.65 ± 0.05 | 0.80 ± 0.05 | 0.80 ± 0.05 |
| E | 2.0 ± 0.05 | 3.0 ± 0.05 | 5.0 ± 0.05 | 6.0 ± 0.05 | 6.0 ± 0.05 |
| F | 3.0 Max. | 3.0 Max. | 3.0 Max. | 3.0 Max. | 3.0 Max. |

Ordering Information



| TYPE | SPK0406 | SPK0608 | SPK0810 | SPK0912 | SPK1016 |
|--------|---------|---------|---------|---------|---------|
| PE Bag | 500pcs. | 500pcs. | 250pcs. | 250pcs. | 250pcs. |

Characteristics

Tolerance: K = ± 10%; K tolerance is Standard.

| Code | L (µH) | SPK0406 | | SPK0608 | | SPK0810 | | SPK0912 | | SPK1016 | |
|------|--------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | RDC Max. (Ω) | IDC Max. (A) | RDC Max. (Ω) | IDC Max. (A) | RDC Max. (Ω) | IDC Max. (A) | RDC Max. (Ω) | IDC Max. (A) | RDC Max. (Ω) | IDC Max. (A) |
| 100 | 10 | 0.10 | 1.70 | 0.04 | 3.00 | 0.03 | 5.30 | 0.03 | 7.50 | 0.02 | 10.00 |
| 120 | 12 | 0.14 | 1.50 | 0.05 | 3.00 | 0.04 | 4.70 | 0.03 | 7.20 | 0.02 | 9.50 |
| 150 | 15 | 0.13 | 1.38 | 0.06 | 2.60 | 0.04 | 4.40 | 0.03 | 6.50 | 0.02 | 8.20 |
| 180 | 18 | 0.15 | 1.27 | 0.07 | 2.40 | 0.05 | 3.90 | 0.04 | 5.60 | 0.02 | 7.60 |
| 220 | 22 | 0.18 | 1.10 | 0.08 | 2.30 | 0.05 | 3.50 | 0.04 | 5.30 | 0.03 | 7.00 |
| 270 | 27 | 0.20 | 1.05 | 0.09 | 2.10 | 0.06 | 3.30 | 0.05 | 4.70 | 0.05 | 6.00 |
| 330 | 33 | 0.24 | 0.93 | 0.12 | 1.90 | 0.07 | 3.00 | 0.06 | 4.20 | 0.05 | 5.60 |
| 390 | 39 | 0.31 | 0.85 | 0.17 | 1.70 | 0.07 | 2.70 | 0.08 | 3.90 | 0.06 | 5.00 |
| 470 | 47 | 0.35 | 0.80 | 0.19 | 1.50 | 0.08 | 2.50 | 0.09 | 3.50 | 0.06 | 4.60 |
| 560 | 56 | 0.42 | 0.72 | 0.20 | 1.40 | 0.11 | 2.30 | 0.09 | 3.20 | 0.07 | 4.20 |
| 680 | 68 | 0.47 | 0.66 | 0.23 | 1.30 | 0.12 | 2.00 | 0.11 | 3.00 | 0.08 | 3.90 |
| 820 | 82 | 0.55 | 0.60 | 0.33 | 1.15 | 0.16 | 1.80 | 0.14 | 2.70 | 0.09 | 3.60 |
| 101 | 100 | 0.68 | 0.53 | 0.38 | 1.05 | 0.18 | 1.70 | 0.19 | 2.40 | 0.13 | 3.20 |
| 121 | 120 | 0.91 | 0.51 | 0.38 | 0.95 | 0.25 | 1.55 | 0.21 | 2.20 | 0.15 | 2.90 |
| 151 | 150 | 1.06 | 0.42 | 0.49 | 0.78 | 0.29 | 1.35 | 0.24 | 2.00 | 0.17 | 2.60 |
| 181 | 180 | 1.31 | 0.41 | 0.76 | 0.77 | 0.34 | 1.23 | 0.27 | 1.80 | 0.19 | 2.40 |
| 221 | 220 | 1.72 | 0.35 | 0.87 | 0.70 | 0.38 | 1.15 | 0.35 | 1.70 | 0.25 | 2.20 |
| 271 | 270 | 2.07 | 0.32 | 0.98 | 0.65 | 0.48 | 1.00 | 0.48 | 1.50 | 0.34 | 1.90 |
| 331 | 330 | 2.44 | 0.28 | 1.15 | 0.58 | 0.59 | 0.92 | 0.55 | 1.36 | 0.38 | 1.70 |
| 391 | 390 | 2.65 | 0.26 | 1.27 | 0.52 | 0.77 | 0.84 | 0.60 | 1.26 | 0.41 | 1.60 |
| 471 | 470 | 2.91 | 0.24 | 1.63 | 0.47 | 0.92 | 0.74 | 0.84 | 1.12 | 0.48 | 1.50 |
| 561 | 560 | 3.27 | 0.23 | 2.44 | 0.44 | 1.02 | 0.72 | 0.93 | 1.00 | 0.65 | 1.35 |
| 681 | 680 | 4.93 | 0.19 | 2.75 | 0.38 | 1.31 | 0.65 | 1.06 | 0.92 | 0.93 | 1.26 |
| 821 | 820 | 5.53 | 0.18 | 3.09 | 0.36 | 1.46 | 0.58 | 1.31 | 0.85 | 1.04 | 1.15 |
| 102 | 1000 | 7.60 | 0.17 | 3.49 | 0.33 | 1.73 | 0.53 | 1.49 | 0.78 | 1.06 | 1.00 |