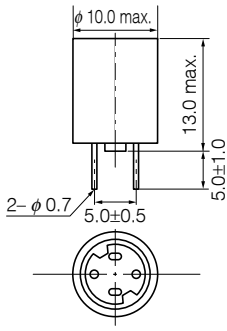
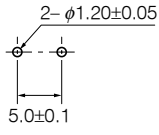
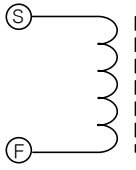
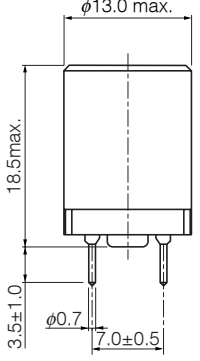
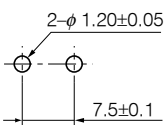
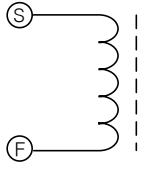


## Examples Type 10E□□□L

|  | Part No.  | Inductance (μH) | Tolerance (%) | Test Freq. (kHz) | RDC.(Ω) [at 20°C] (Tol.±20 %) | *IDC. [at 20°C] (A)max. |      |
|--|---|-----------------|---------------|------------------|-------------------------------|-------------------------|------|
| [Dimensions in mm] (not to scale)<br><br> | ELC10E3R9L  | 3.9             | ±20           | 10               | 0.024                         | 2.90                    |      |
|  | ELC10E4R7L  | 4.7             |               |                  | 0.027                         | 2.80                    |      |
|  | ELC10E5R6L  | 5.6             |               |                  | 0.030                         | 2.70                    |      |
|  | ELC10E6R8L  | 6.8             |               |                  | 0.032                         | 2.60                    |      |
|  | ELC10E8R2L  | 8.2             |               |                  | 0.035                         | 2.50                    |      |
|  | ELC10E100L  | 10.0            |               |                  | 0.038                         | 2.40                    |      |
|  | ELC10E120L  | 12.0            |               |                  | 0.040                         | 2.30                    |      |
|  | ELC10E150L  | 15.0            |               |                  | 0.046                         | 2.20                    |      |
|  | ELC10E180L  | 18.0            |               |                  | 0.049                         | 2.10                    |      |
|  | ELC10E220L  | 22.0            |               |                  | ±15                           | 0.056                   | 2.00 |
|  | ELC10E270L  | 27.0            |               |                  |                               | 0.062                   | 1.90 |
|  | ELC10E330L  | 33.0            |               |                  |                               | 0.068                   | 1.80 |
|  | ELC10E390L  | 39.0            |               |                  |                               | 0.074                   | 1.70 |
|  | ELC10E470L  | 47.0            |               |                  |                               | 0.098                   | 1.50 |
|  | ELC10E560L  | 56.0            |               |                  |                               | 0.120                   | 1.30 |
| Recommended PWB piercing plan<br><br>   | ELC10E680L  | 68.0            | ±10           | 10               | 0.150                         | 1.20                    |      |
|  | ELC10E820L  | 82.0            |               |                  | 0.190                         | 1.00                    |      |
|  | ELC10E101L  | 100.0           |               |                  | 0.210                         | 0.96                    |      |
|  | ELC10E121L  | 120.0           |               |                  | 0.240                         | 0.92                    |      |
|  | ELC10E151L  | 150.0           |               |                  | 0.260                         | 0.83                    |      |
|  | ELC10E181L  | 180.0           |               |                  | 0.290                         | 0.74                    |      |
|  | ELC10E221L  | 220.0           |               |                  | 0.410                         | 0.64                    |      |
|  | ELC10E271L  | 270.0           |               |                  | 0.590                         | 0.54                    |      |
|  | ELC10E331L  | 330.0           |               |                  | 0.660                         | 0.52                    |      |
|  | ELC10E391L  | 390.0           |               |                  | 0.720                         | 0.50                    |      |
|  | ELC10E471L  | 470.0           |               |                  | 0.800                         | 0.45                    |      |
|  | ELC10E561L  | 560.0           |               |                  | 1.100                         | 0.41                    |      |
|  | ELC10E681L  | 680.0           |               |                  | 1.200                         | 0.37                    |      |
|  | ELC10E821L  | 820.0           |               |                  | 1.600                         | 0.33                    |      |
|  | Connection Schematic<br><br> | ELC10E102L      |               |                  | 1000.0                        |                         |      |
| ELC10E122L   |   | 1200.0          |               |                  | 2.000                         | 0.29                    |      |
| ELC10E152L   |   | 1500.0          |               |                  | 2.800                         | 0.26                    |      |
| ELC10E182L   |   | 1800.0          |               |                  | 3.200                         | 0.23                    |      |
| ELC10E222L   |   | 2200.0          |               |                  | 3.600                         | 0.20                    |      |
| ELC10E272L   |   | 2700.0          |               |                  | 5.200                         | 0.18                    |      |
| ELC10E332L   |   | 3300.0          |               |                  | 5.900                         | 0.17                    |      |
| ELC10E392L   |   | 3900.0          |               |                  | 6.500                         | 0.16                    |      |
| ELC10E472L   |   | 4700.0          |               |                  | 9.600                         | 0.14                    |      |
| ELC10E562L   |   | 5600.0          |               |                  | 10.800                        | 0.12                    |      |
| ELC10E682L   | 6800.0  |                 |               | 11.900           | 0.11                          |                         |      |
| ELC10E822L   | 8200.0  |                 |               | 13.200           | 0.10                          |                         |      |

\*Allowable DC Current:Smaller current value either when the inductance is -10 % or when the temperature has risen 45 degrees Celsius

## Examples Type 12E□□□L

|   | Part No.   | Inductance (μH) | Tolerance (%) | Test Freq. (kHz) | RDC.(Ω) [at 20°C] (Tol.±20 %) | *IDC. [at 20°C] (A)max. |
|---|------------|-----------------|---------------|------------------|-------------------------------|-------------------------|
| <p>[Dimensions in mm] (not to scale)</p>  <p>Recommended PWB piercing plan</p>  <p>Connection Schematic</p>  | ELC12E4R7L | 4.7             | ±25           | 10               | 0.014                         | 4.40                    |
|   | ELC12E5R6L | 5.6             |               |                  | 0.016                         | 4.10                    |
|   | ELC12E6R8L | 6.8             |               |                  | 0.018                         | 3.90                    |
|   | ELC12E8R2L | 8.2             | ±20           |                  | 0.020                         | 3.70                    |
|   | ELC12E100L | 10.0            |               |                  | 0.023                         | 3.50                    |
|   | ELC12E120L | 12.0            |               |                  | 0.024                         | 3.30                    |
|   | ELC12E150L | 15.0            |               |                  | 0.028                         | 3.20                    |
|   | ELC12E180L | 18.0            |               |                  | 0.030                         | 3.10                    |
|   | ELC12E220L | 22.0            |               |                  | 0.033                         | 2.80                    |
|   | ELC12E270L | 27.0            | ±10           |                  | 0.037                         | 2.50                    |
|   | ELC12E330L | 33.0            |               |                  | 0.041                         | 2.40                    |
|   | ELC12E390L | 39.0            |               |                  | 0.044                         | 2.20                    |
|   | ELC12E470L | 47.0            |               |                  | 0.048                         | 2.00                    |
|   | ELC12E560L | 56.0            |               |                  | 0.053                         | 1.80                    |
|   | ELC12E680L | 68.0            |               |                  | 0.073                         | 1.70                    |
|   | ELC12E820L | 82.0            |               |                  | 0.098                         | 1.40                    |
|   | ELC12E101L | 100.0           |               |                  | 0.140                         | 1.30                    |
|   | ELC12E121L | 120.0           |               |                  | 0.160                         | 1.20                    |
|   | ELC12E151L | 150.0           |               |                  | 0.180                         | 1.10                    |
|   | ELC12E181L | 180.0           |               |                  | 0.200                         | 1.00                    |
|   | ELC12E221L | 220.0           |               |                  | 0.220                         | 0.91                    |
|   | ELC12E271L | 270.0           | 0.320         |                  | 0.83                          |                         |
|   | ELC12E331L | 330.0           | 0.360         |                  | 0.79                          |                         |
|   | ELC12E391L | 390.0           | 0.400         |                  | 0.70                          |                         |
|   | ELC12E471L | 470.0           | 0.440         |                  | 0.64                          |                         |
|   | ELC12E561L | 560.0           | 0.490         |                  | 0.57                          |                         |
|   | ELC12E681L | 680.0           | 0.610         |                  | 0.52                          |                         |
|   | ELC12E821L | 820.0           | 0.760         |                  | 0.47                          |                         |
|   | ELC12E102L | 1000.0          | 1.100         |                  | 0.43                          |                         |
|   | ELC12E122L | 1200.0          | 1.200         |                  | 0.40                          |                         |
|   | ELC12E152L | 1500.0          | 1.400         |                  | 0.36                          |                         |
|   | ELC12E182L | 1800.0          | 1.900         |                  | 0.32                          |                         |
|   | ELC12E222L | 2200.0          | 2.500         |                  | 0.30                          |                         |
| ELC12E272L  | 2700.0     | 3.500           | 0.26          |                  |                               |                         |
| ELC12E332L  | 3300.0     | 3.900           | 0.24          |                  |                               |                         |
| ELC12E392L  | 3900.0     | 4.300           | 0.22          |                  |                               |                         |
| ELC12E472L  | 4700.0     | 6.000           | 0.20          |                  |                               |                         |
| ELC12E562L  | 5600.0     | 6.600           | 0.17          |                  |                               |                         |
| ELC12E682L  | 6800.0     | 9.900           | 0.15          |                  |                               |                         |
| ELC12E822L  | 8200.0     | 10.900          | 0.14          |                  |                               |                         |
| ELC12E103L  | 10000.0    | 12.200          | 0.13          |                  |                               |                         |

\*Allowable DC Current:Smaller current value either when the inductance is -10 % or when the temperature has risen 45 degrees Celsius

## ■ Examples Type 15E□□□

| [Dimensions in mm]<br>(not to scale) | Part No.  | Inductance<br>( $\mu\text{H}$ ) | Tolerance<br>(%) | Test Freq.<br>(kHz) | RDC.( $\Omega$ )         | *IDC.                |
|--------------------------------------|-----------|---------------------------------|------------------|---------------------|--------------------------|----------------------|
|                                      |           |                                 |                  |                     | [at 20°C]<br>(Tol.±20 %) | [at 20°C]<br>(A)max. |
| <p>Recommended PWB piercing plan</p> | ELC15E100 | 10                              | ±20              | 10                  | 0.018                    | 5.40                 |
|                                      | ELC15E180 | 18                              |                  |                     | 0.024                    | 4.50                 |
|                                      | ELC15E330 | 33                              | ±10              |                     | 0.032                    | 4.00                 |
|                                      | ELC15E560 | 56                              |                  |                     | 0.039                    | 3.60                 |
|                                      | ELC15E101 | 100                             |                  |                     | 0.053                    | 3.00                 |
|                                      | ELC15E181 | 180                             |                  |                     | 0.100                    | 2.30                 |
|                                      | ELC15E331 | 330                             |                  |                     | 0.170                    | 1.60                 |
|                                      | ELC15E561 | 560                             |                  |                     | 0.280                    | 1.20                 |
|                                      | ELC15E102 | 1000                            |                  |                     | 0.490                    | 0.95                 |
|                                      | ELC15E182 | 1800                            |                  |                     | 0.870                    | 0.75                 |
|                                      | ELC15E332 | 3300                            |                  |                     | 1.600                    | 0.53                 |
|                                      | ELC15E562 | 5600                            |                  |                     | 2.600                    | 0.39                 |
|                                      | ELC15E103 | 10000                           |                  |                     | 4.600                    | 0.30                 |

\*Allowable DC Current:Smaller current value either when the inductance is -10 % or when the temperature has risen 45 degrees Celsius

## ■ Examples Type 18E□□□

| [Dimensions in mm]<br>(not to scale) | Part No.  | Inductance<br>( $\mu\text{H}$ ) | Tolerance<br>(%) | Test Freq.<br>(kHz) | RDC.( $\Omega$ )         | *IDC.                |
|--------------------------------------|-----------|---------------------------------|------------------|---------------------|--------------------------|----------------------|
|                                      |           |                                 |                  |                     | [at 20°C]<br>(Tol.±20 %) | [at 20°C]<br>(A)max. |
| <p>Recommended PWB piercing plan</p> | ELC18E100 | 10                              | ±20              | 10                  | 0.014                    | 5.90                 |
|                                      | ELC18E180 | 18                              |                  |                     | 0.019                    | 5.20                 |
|                                      | ELC18E330 | 33                              | ±10              |                     | 0.026                    | 4.60                 |
|                                      | ELC18E560 | 56                              |                  |                     | 0.031                    | 3.80                 |
|                                      | ELC18E101 | 100                             |                  |                     | 0.044                    | 3.00                 |
|                                      | ELC18E181 | 180                             |                  |                     | 0.067                    | 2.50                 |
|                                      | ELC18E331 | 330                             |                  |                     | 0.110                    | 1.90                 |
|                                      | ELC18E561 | 560                             |                  |                     | 0.170                    | 1.40                 |
|                                      | ELC18E102 | 1000                            |                  |                     | 0.280                    | 1.00                 |
|                                      | ELC18E182 | 1800                            |                  |                     | 0.570                    | 0.80                 |
|                                      | ELC18E332 | 3300                            |                  |                     | 1.000                    | 0.60                 |
|                                      | ELC18E562 | 5600                            |                  |                     | 1.600                    | 0.46                 |
|                                      | ELC18E103 | 10000                           |                  |                     | 2.700                    | 0.33                 |

\*Allowable DC Current:Smaller current value either when the inductance is -10 % or when the temperature has risen 45 degrees Celsius