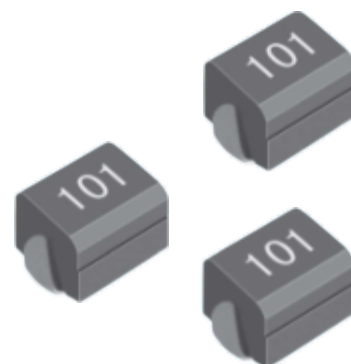




## Coil Type Inductor

### FEATURES

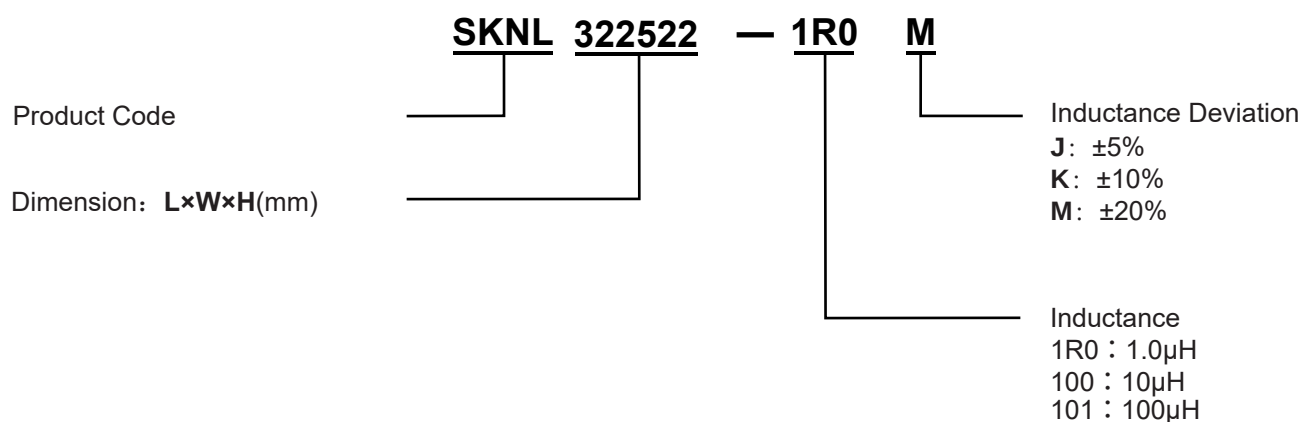
- Metal lead electrode for reliable connection performance
- Suitable for surface mount
- It has high resistance to moisture, mechanical vibration and extrusion
- High heat resistance



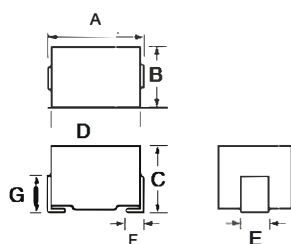
### APPLICATIONS

- Can be used in computer, power supply, communication equipment, instruments, TV audio and other fields of electronic circuits

### PRODUCT IDENTIFICATION



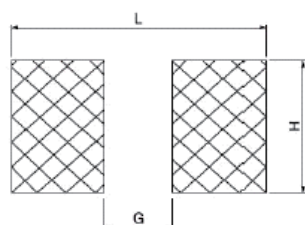
### SHAPE AND DIMENSIONS



| Type Specification | Product Size |         |         |         |         |         |         |
|--------------------|--------------|---------|---------|---------|---------|---------|---------|
|                    | A            | B       | C       | D       | E       | F       | G       |
| SKNL322522         | 3.2±0.4      | 2.5±0.2 | 2.2±0.2 | 2.9±0.3 | 1.0±0.2 | 0.6±0.2 | 1.2±0.2 |

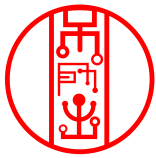
Units: mm

### RECOMMENDED PAD SIZE



| Type Specification | Recommended Pad Size |     |     |
|--------------------|----------------------|-----|-----|
|                    | H                    | I   | J   |
| SKNL322522         | 4.4                  | 1.5 | 3.4 |

Units: mm



## SPECIFICATIONS

### SKNL322522 TYPE

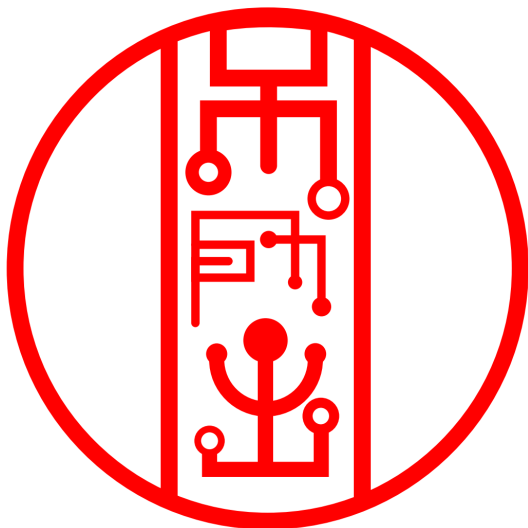
| Part Number    | Inductance | Inductance Tolerance | Quality Factor Min | L, Q Test Conditions | Self-resonant Frequency Min | Max. DC Resistance | Max. Rated Current |
|----------------|------------|----------------------|--------------------|----------------------|-----------------------------|--------------------|--------------------|
| Units          | μH         | —                    | —                  | MHz                  | MHz                         | Ω                  | mA                 |
| Symbol         | L          | —                    | Q                  | —                    | S. R. F                     | DCR                | Ir                 |
| SKNL322522-R10 | 0.10       | K、M                  | 28                 | 100                  | 700                         | 0.44               | 450                |
| SKNL322522-R12 | 0.12       | K、M                  | 30                 | 25.2                 | 500                         | 0.22               | 450                |
| SKNL322522-R15 | 0.15       | K、M                  | 30                 | 25.2                 | 450                         | 0.25               | 450                |
| SKNL322522-R18 | 0.18       | K、M                  | 30                 | 25.2                 | 400                         | 0.28               | 450                |
| SKNL322522-R22 | 0.22       | K、M                  | 30                 | 25.2                 | 350                         | 0.32               | 450                |
| SKNL322522-R27 | 0.27       | K、M                  | 30                 | 25.2                 | 320                         | 0.36               | 450                |
| SKNL322522-R33 | 0.33       | K、M                  | 30                 | 25.2                 | 300                         | 0.4                | 450                |
| SKNL322522-R39 | 0.39       | K、M                  | 30                 | 25.2                 | 250                         | 0.45               | 450                |
| SKNL322522-R47 | 0.47       | K、M                  | 30                 | 25.2                 | 220                         | 0.5                | 450                |
| SKNL322522-R56 | 0.56       | K、M                  | 30                 | 25.2                 | 180                         | 0.55               | 450                |
| SKNL322522-R68 | 0.68       | K、M                  | 30                 | 25.2                 | 160                         | 0.6                | 450                |
| SKNL322522-R82 | 0.82       | K、M                  | 30                 | 25.2                 | 140                         | 0.65               | 450                |
| SKNL322522-1R0 | 1.0        | J、K                  | 30                 | 7.96                 | 120                         | 0.7                | 400                |
| SKNL322522-1R2 | 1.2        | J、K                  | 30                 | 7.96                 | 100                         | 0.75               | 390                |
| SKNL322522-1R5 | 1.5        | J、K                  | 30                 | 7.96                 | 85                          | 0.85               | 370                |
| SKNL322522-1R8 | 1.8        | J、K                  | 30                 | 7.96                 | 80                          | 0.9                | 350                |
| SKNL322522-2R2 | 2.2        | J、K                  | 30                 | 7.96                 | 75                          | 1                  | 320                |
| SKNL322522-2R7 | 2.7        | J、K                  | 30                 | 7.96                 | 70                          | 1.1                | 290                |
| SKNL322522-3R3 | 3.3        | J、K                  | 30                 | 7.96                 | 60                          | 1.2                | 260                |
| SKNL322522-3R9 | 3.9        | J、K                  | 30                 | 7.96                 | 55                          | 1.3                | 250                |
| SKNL322522-4R7 | 4.7        | J、K                  | 30                 | 7.96                 | 50                          | 1.5                | 220                |
| SKNL322522-5R6 | 5.6        | J、K                  | 30                 | 7.96                 | 45                          | 1.6                | 200                |
| SKNL322522-6R8 | 6.8        | J、K                  | 30                 | 7.96                 | 40                          | 1.8                | 180                |
| SKNL322522-8R2 | 8.2        | J、K                  | 30                 | 7.96                 | 35                          | 2                  | 170                |
| SKNL322522-100 | 10         | J、K                  | 30                 | 2.52                 | 30                          | 2.1                | 150                |
| SKNL322522-120 | 12         | J、K                  | 30                 | 2.52                 | 20                          | 2.5                | 140                |
| SKNL322522-150 | 15         | J、K                  | 30                 | 2.52                 | 20                          | 2.8                | 130                |
| SKNL322522-180 | 18         | J、K                  | 30                 | 2.52                 | 20                          | 3.3                | 120                |
| SKNL322522-220 | 22         | J、K                  | 30                 | 2.52                 | 20                          | 3.7                | 110                |
| SKNL322522-270 | 27         | J、K                  | 30                 | 2.52                 | 20                          | 5                  | 80                 |
| SKNL322522-330 | 33         | J、K                  | 30                 | 2.52                 | 17                          | 5.6                | 70                 |
| SKNL322522-390 | 39         | J、K                  | 30                 | 2.52                 | 16                          | 6.4                | 65                 |
| SKNL322522-470 | 47         | J、K                  | 30                 | 2.52                 | 15                          | 7                  | 60                 |
| SKNL322522-560 | 56         | J、K                  | 30                 | 2.52                 | 13                          | 8                  | 55                 |
| SKNL322522-680 | 68         | J、K                  | 30                 | 2.52                 | 12                          | 9                  | 50                 |
| SKNL322522-820 | 82         | J、K                  | 30                 | 2.52                 | 11                          | 10                 | 45                 |
| SKNL322522-101 | 100        | J、K                  | 20                 | 0.796                | 10                          | 10                 | 40                 |
| SKNL322522-121 | 120        | J、K                  | 20                 | 0.796                | 10                          | 11                 | 70                 |
| SKNL322522-151 | 150        | J、K                  | 20                 | 0.796                | 8                           | 15                 | 65                 |
| SKNL322522-181 | 180        | J、K                  | 20                 | 0.796                | 7                           | 17                 | 60                 |
| SKNL322522-221 | 220        | J、K                  | 20                 | 0.796                | 7                           | 21                 | 50                 |

Note: Inductance deviation code is: J:  $\pm 5\%$ , K:  $\pm 10\%$ , M:  $\pm 20\%$

## TYPICAL ELECTRICAL CHARACTERISTICS

### SKNL322522 TYPE

Inductance - frequency characteristic



Inductance- DC current characteristic

