

Color Coding

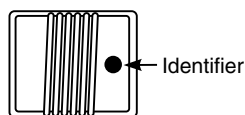
Chip Inductors

0201, 0302, 0402 and 0403 Series

Because of their small size, 0201, 0302, 0402 and 0403 parts are not marked.

0603 and 0805 Series

0603 and 0805 parts are marked with a single color dot. The inductance value represented by the dot is shown on the data sheet for each series.



1008, 1206 and 1812 Series

These parts are marked with three color dots. The table below shows the significance of each color.

Dots 1 and 2 indicate the inductance in nanoHenries

Dot 3 is a multiplier showing the number of added zeroes

| | | |
|------------|------------|--|
| 0 = Black | 5 = Green | |
| 1 = Brown | 6 = Blue | |
| 2 = Red | 7 = Violet | |
| 3 = Orange | 8 = Gray | |
| 4 = Yellow | 9 = White | |
| | | |

Examples:

| | | |
|-------------------|---|---------|
| Gray Red Black | = | 82 nH |
| Brown Red Brown | = | 120 nH |
| Yellow Violet Red | = | 4700 nH |

On values below 10 nH, the third dot is not a multiplier. Refer to the tables below for the specific inductance values represented by the color dots.

1008CT Series

| | | |
|--------------------|--------|----------------|
| Black Yellow Black | 4.7 nH | 1008CT-040X_LC |
| Black Gray Black | 8.2 nH | 1008CT-080X_LC |

1008HT Series

| | | |
|--------------------|--------|----------------|
| Black Orange Black | 3.3 nH | 1008HT-3N3T_LC |
| Black Blue Black | 6.8 nH | 1008HT-6N8T_LC |
| Black Violet Black | 7.2 nH | 1008HT-7N2T_LC |

1008HQ Series

| | | |
|--------------------|--------|----------------|
| Black Orange Black | 3.0 nH | 1008HQ-3N0T_LC |
| Black Yellow Black | 4.1 nH | 1008HQ-4N1T_LC |
| Black Violet Black | 7.8 nH | 1008HQ-7N8T_LC |

1206CS Series

| | | |
|--------------------|--------|----------------|
| Black Orange Black | 3.3 nH | 1206CS-030T_LC |
| Black Blue Black | 6.8 nH | 1206CS-060T_LC |

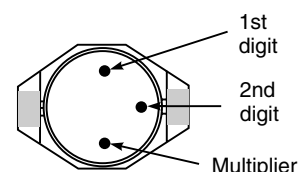
SMD Power Inductors

Most Coilcraft SMD power inductors are marked with three color dots. The table below shows the significance of each color.

Dots 1 and 2 indicate the inductance in nanoHenries.

Dot 3 is a multiplier showing the number of added zeroes

| | |
|------------|------------|
| 0 = Black | 5 = Green |
| 1 = Brown | 6 = Blue |
| 2 = Red | 7 = Violet |
| 3 = Orange | 8 = Gray |
| 4 = Yellow | 9 = White |



Examples:

| | | |
|----------------------|---|-------------|
| Yellow Violet Yellow | = | 470 μ H |
| Brown Green Orange | = | 15 μ H |
| Blue Grey Brown | = | 680 nH |

Specifications subject to change without notice.
Please check our website for latest information.

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