



COILMASTER



RoHS Compliant



— SMT Power Inductors

Through Hole Inductors —



High Current Power Inductors —



— Chip Inductors

Transformers —



— LAN Magnetics RJ45 Jack

General Stipulations for coils use

Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the products in this short form / catalog under conditions where particularly extreme standard of reliability are required , or if you intend to use products for applications other than those listed in this short form / catalog .

1. The specification is subject to change without prior notices as it deems necessary to reflect improvements or changes .
2. Products should not be kept in unsuitable storage conditions, such as areas susceptible to high humidity, high temperatures, dust or corrosion .
3. Don't use products in a place where dew condenses . Since dew condensation may be caused by temperature change, please pay special attention when using products in a sealed condition.
4. Don't touch electrodes directly with bare hands as oil secretions may inhibit soldering. Always ensure optimum conditions for soldering.
5. Always handle products with care.
6. Don't bend the terminals or subject them to excessive stress.
7. Please ensure that all terminals and case lugs are completely fixed with solder onto PCB .
8. Ensure the tuning slug or cap is not fixed by solder flux during the production process.
9. Avoid placing coils near the edge of the PCB.
10. Refrain from rinsing coils. If necessary, please consult with our company .
11. Our SMD coils are designed for automatic mounting. Please be careful if soldering by hand.
12. Don't touch any exposed winding part and avoid coming into contact with the guide of electrode in automatic mounting.
13. Our specifications limit the quality of the component as a single unit. Please ensure the component is thoroughly evaluated in your application circuit.
14. All products are lead-free with RoHS compliant and Halogen Free .



RoHS Compliant

**Halogen
Free**



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






Web Site : www.coilmaster.com.tw

INDUCTOR SELECTION GUIDE

Power Inductors Shielded - SMT



RoHS Compliant

| TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|---|----------------------|--------------------|------------------|------------------|-----------|
| <i>New</i> | (L)x(W)x(Ht) | | | | |
| SQH3D11CS  | 4.0x4.0x1.2 | Shielded Geschirmt | | 530mA~2000mA | SMT |
| SQH3D16CS  | 4.0x4.0x1.8 | Shielded Geschirmt | | 460mA~2000mA | SMT |
| SQH4D14CS  | 5.0x5.0x1.5 | Shielded Geschirmt | | 510mA~2.25A | SMT |
| SQH4D18CS  | 5.0x5.0x2.0 | Shielded Geschirmt | | 140mA~1.72A | SMT |
| SQH4D22CS  | 5.0x5.0x2.4 | Shielded Geschirmt | | 480mA~4.2A | SMT |
| SQH4D28CS  | 5.0x5.0x3.0 | Shielded Geschirmt | | 220mA~2.56A | SMT |
| SQH5040CS  | 5.0x5.0x4.0 | Shielded Geschirmt | | 680mA~13.00A | SMT |
| SQH6020CS  | 6.0x6.0x2.0 | Shielded Geschirmt | | 360mA~1.95A | SMT |
| SQH5D18CS  | 6.0x6.0x3.0 | Shielded Geschirmt | | 420mA~2.60A | SMT |
| SQH5D28CS  | 7.0x7.0x3.0 | Shielded Geschirmt | | 0.54A~3.0A | SMT |
| SQH6D28CS  | 7.6x7.6x3.55 | Shielded Geschirmt | | 0.25A~14.4A | SMT |
| SQH73HCS  | 7.0x7.0x4.0 | Shielded Geschirmt | | 0.65A~3.5A | SMT |
| SQH6D38CS  | 7.6x7.6x4.5 | Shielded Geschirmt | | 0.31A~18.4A | SMT |
| SQH74HCS  | 10.3x10.5x4.0 | Shielded Geschirmt | | 0.70A~10.0A | SMT |
| SQH104CS  | 10.3x10.5x5.1 | Shielded Geschirmt | | 0.42A~9.5A | SMT |
| SQH1105CS  | 10.3x10.5x4.5 | Shielded Geschirmt | | 0.53A~24.4A | SMT |
| SQH125CS  | 12.5x12.5x6.0 | Shielded Geschirmt | | 0.40A~8.0A | SMT |
| SQH127CS  | 12.5x12.5x8.0 | Shielded Geschirmt | | 0.55A~9.8A | SMT |



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|--|----------------------|-----------------------|---|------------------|-----------|
| Size : 2x2 | (L)x(W)x(Ht) | | 0 10 100 1,000 | | |
| SQH2012S  | 2.1x2.1x1.2 | Shielded Geschirmt | 1.0uH  4.7uH | 1.10A~1.90A | SMT |
| Size : 2.5x2 | (L)x(W)x(Ht) | | 0 10 100 1,000 | | |
| SQH2512S  | 2.7x2.2x1.2 | Shielded Geschirmt | 1.0uH  10uH | 0.85A~1.00A | SMT |
| Size : 3x3 | (L)x(W)x(Ht) | | 0 10 100 1,000 | | |
| SQH3010S  | 3.1x3.1x1.0 | Shielded Geschirmt | 1.0uH  47uH | 0.22A~1.30A | SMT |
| SQH3010SHP  | 3.1x3.1x1.0 | Shielded Geschirmt | 1.2uH  22uH | 0.38A~1.70A | SMT |
| SQH3012S  | 3.1x3.1x1.2 | Shielded Geschirmt | 1.0uH  47uH | 0.25A~1.50A | SMT |
| SQH3012SHP  | 3.1x3.1x1.2 | Shielded Geschirmt | 1.0uH  22uH | 0.50A~2.20A | SMT |
| SQH3015S  | 3.1x3.1x1.5 | Shielded Geschirmt | 1.0uH  47uH | 0.32A~2.10A | SMT |
| SDR31  | 3.8x3.3x1.45 | | 3.3uH  390uH | 0.10A~1.00A | SMT |
| SDR32  | 3.8x3.3x2.5 | | 1.0uH  82uH | 0.28A~2.08A | SMT |
| SDC2D09  | 3.2x3.2x1.0 | Shielded Geschirmt | 1.2uH  10uH | 0.28A~0.80A | SMT |
| SDC2D11  | 3.2x3.2x1.2 | Shielded Geschirmt | 1.5uH  10uH | 350mA~900mA | SMT |
| SDC2D11HP  | 3.2x3.2x1.2 | Shielded Geschirmt | 1.5uH  10uH | 520mA~1300mA | SMT |
| SDC2D14  | 3.2x3.2x1.55 | Shielded Geschirmt | 1.5uH  22uH | 620mA~1800mA | SMT |
| SDC2D14HPS  | 3.2x3.2x1.6 | Shielded Geschirmt | 1.0uH  330uH | 100mA~2000mA | SMT |
| SDC2D18LD  | 3.2x3.2x2.0 | Shielded Geschirmt | 2.2uH  47uH | 200mA~850mA | SMT |
| SDC2D18HP  | 3.2x3.2x2.0 | Shielded Geschirmt | 1.7uH  15uH | 700mA~1850mA | SMT |

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RoHS Compliant

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|--|----------------------|--------------------|------------------|------------------|---------|
| Size : 4x4 | (L)x(W)x(Ht) | | 0 10 100 1,000 | | |
| SQH4010S  | 4.2x4.2x1.0 | Shielded Geschirmt | 1.0uH - 47uH | 0.24A~1.80A | SMT |
| SQH4012S  | 4.2x4.2x1.2 | Shielded Geschirmt | 1.0uH - 47uH | 0.35A~2.50A | SMT |
| SQH4018S  | 4.2x4.2x1.8 | Shielded Geschirmt | 1.0uH - 220uH | 0.27A~4.00A | SMT |
| SDR43  | 4.8x4.3x3.7 | | 1.0uH - 68uH | 0.37A~2.56A | SMT |
| SDC3D11  | 4.0x4.0x1.2 | Shielded Geschirmt | 2.7uH - 39uH | 140mA~530mA | SMT |
| SDC3D11HP  | 4.0x4.0x1.2 | Shielded Geschirmt | 1.5uH - 22uH | 530mA~2000mA | SMT |
| SDC3D14HPS  | 4.0x4.0x1.5 | Shielded Geschirmt | 1.0uH - 22uH | 650mA~2600mA | SMT |
| SDC3D14HP  | 4.0x4.0x1.5 | Shielded Geschirmt | 1.0uH - 22uH | 650mA~2600mA | SMT |
| SDC3D14LD  | 4.0x4.0x1.5 | Shielded Geschirmt | 1.0uH - 47uH | 250mA~1500mA | SMT |
| SDC3D16  | 4.0x4.0x1.8 | Shielded Geschirmt | 1.5uH - 33uH | 320mA~1500mA | SMT |
| SDC3D16HP  | 4.0x4.0x1.8 | Shielded Geschirmt | 1.7uH - 33uH | 460mA~2000mA | SMT |
| SDC3D18  | 4.0x4.0x2.0 | Shielded Geschirmt | 1.0uH - 47uH | 400mA~2800mA | SMT |
| SDC3D28  | 4.0x4.0x3.0 | Shielded Geschirmt | 3.3uH - 47uH | 280mA~2000mA | SMT |
| SDC3D28LD  | 4.0x4.0x3.0 | Shielded Geschirmt | 10uH - 220uH | 116mA~500mA | SMT |
| SDS4012D  | 4.2x4.3x1.2 | Shielded Geschirmt | 1.2uH - 33uH | 390mA~2000mA | SMT |
| SDS4015D  | 4.2x4.3x1.5 | Shielded Geschirmt | 1.0uH - 47uH | 350mA~2300mA | SMT |
| SDS4018D  | 4.2x4.3x1.8 | Shielded Geschirmt | 1.0uH - 470uH | 400mA~2700mA | SMT |
| SDS4012E  | 4.4x4.4x1.25 | Shielded Geschirmt | 1.0uH - 33uH | 500mA~3000mA | SMT |

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RoHS Compliant

| TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|---|----------------------|-----------------------|------------------|------------------|-----------|
| Size : 4x4 | (L)x(W)x(Ht) | | 0 10 100 1,000 | | |
| SDS4015E  | 4.4x4.4x1.6 | Shielded Geschirmt | 1.0uH 47uH | 520mA~3000mA | SMT |
| SDS4018E  | 4.4x4.4x1.8 | Shielded Geschirmt | 1.0uH 68uH | 400mA~3200mA | SMT |
| Size : 5x5 | (L)x(W)x(Ht) | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
| SQH5010S  | 5.2x5.2x1.0 | Shielded Geschirmt | 1.0uH 22uH | 0.55A~2.35A | SMT |
| SQH5012S  | 5.2x5.2x1.2 | Shielded Geschirmt | 1.0uH 15uH | 1.20A~4.50A | SMT |
| SQH5014S  | 5.2x5.2x1.4 | Shielded Geschirmt | 1.2uH 10uH | 1.40A~3.80A | SMT |
| SQH5020S  | 5.2x5.2x2.0 | Shielded Geschirmt | 1.0uH 22uH | 0.90A~4.00A | SMT |
| SQH5024S  | 5.2x5.2x2.4 | Shielded Geschirmt | 1.0uH 33uH | 1.00A~5.80A | SMT |
| SQH5040S  | 5.2x5.2x4.1 | Shielded Geschirmt | 1.5uH 47uH | 1.10A~6.00A | SMT |
| SDS5020  | 5.2x5.2x2.0 | Shielded Geschirmt | 1.2uH 100uH | 230mA~2.15A | SMT |
| SDS5030A  | 5.2x5.2x3 | Shielded Geschirmt | 1.1uH 100uH | 430mA~3.87A | SMT |
| SDC4D14  | 5.0x5.0x1.5 | Shielded Geschirmt | 2.2uH 68uH | 280mA~1.60A | SMT |
| SDC4D14HP  | 5.0x5.0x1.5 | Shielded Geschirmt | 1.8uH 33uH | 510mA~2.25A | SMT |
| SDC4D18  | 5.0x5.0x2.0 | Shielded Geschirmt | 1.0uH 180uH | 140mA~1.72A | SMT |
| SDC4D22  | 5.0x5.0x2.4 | Shielded Geschirmt | 1.5uH 150uH | 210mA~2.0A | SMT |
| SDC4D22HP  | 5.0x5.0x2.4 | Shielded Geschirmt | 1.2uH 100uH | 480mA~4.2A | SMT |
| SDC4D28  | 5.0x5.0x3.0 | Shielded Geschirmt | 1.2uH 180uH | 220mA~2.56A | SMT |
| SDC4D38  | 5.0x5.0x4.0 | Shielded Geschirmt | 0.22uH 100uH | 680mA~13.00A | SMT |

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INDUCTOR SELECTION GUIDE

Power Inductors Shielded / Unshielded - SMT



RoHS Compliant

| TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|------------|----------------------|-----------------------|------------------|------------------|-----------|
| Size : 6x6 | (L)x(W)x(Ht) | | | | |
| SQH6010S | 6.2x6.2x1.0 | Shielded Geschirmt | | 1.65A~2.40A | SMT |
| SQH6012S | 6.2x6.2x1.2 | Shielded Geschirmt | | 0.35A~2.10A | SMT |
| SQH6014S | 6.2x6.2x1.4 | Shielded Geschirmt | | 0.95A~4.10A | SMT |
| SQH6020S | 6.2x6.2x2.0 | Shielded Geschirmt | | 1.05A~5.50A | SMT |
| SQH6028S | 6.2x6.2x2.8 | Shielded Geschirmt | | 0.62A~6.60A | SMT |
| SQH6045S | 6.2x6.2x4.5 | Shielded Geschirmt | | 0.80A~8.50A | SMT |
| SQH6045CS | 6.4x6.2x4.5 | Shielded Geschirmt | | 0.54A~5.70A | SMT |
| SDH1608X | 6.6x4.45x2.92 | | | 0.1A~2.9A | SMT |
| SDO1608 | 6.6x4.45x2.92 | | | 0.1A~2.9A | SMT |
| SDS1608X | 6.6x4.45x2.92 | Shielded Geschirmt | | 20mA~3A | SMT |
| SDS1608 | 6.6x4.45x2.92 | Shielded Geschirmt | | 20mA~3A | SMT |
| SDT1608 | 6.6x4.45x2.92 | Shielded Geschirmt | | 80mA~2A | SMT |
| SPO1704 | 6.6x5.5x1.1 | | | 0.13A~2.1A | SMT |
| SDR54 | 6.1x5.5x4.8 | | | 0.35A~1.44A | SMT |
| SDR0504K | 5.8x4.8 | | | 0.2A~7.3A | SMT |
| SDC5D18 | 6.0x6.0x2.0 | Shielded Geschirmt | | 360mA~1.95A | SMT |
| SDC5D23 | 6.0x6.0x2.5 | Shielded Geschirmt | | 87mA~5.4A | SMT |
| SDC5D28 | 6.0x6.0x3.0 | Shielded Geschirmt | | 420mA~2.60A | SMT |

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|---|----------------------|--------------------|------------------|------------------|-----------|
| Size : 6x6 | (L)x(W)x(Ht) | | 0 10 100 1,000 | | |
| SDC5D28R  | 6.2x6.3x3.0 | Shielded Geschirmt | 2.5uH - 100uH | 400mA~2.60A | SMT |
| SDC5D33  | 6.2x6.3x3.5 | Shielded Geschirmt | 6.8uH - 10000uH | 74mA~2.8mA | SMT |
| SDS0603B  | 6.8x6.8x3.3 | Shielded Geschirmt | 1.5uH - 1000uH | 130mA~3.5A | SMT |
| SDS0604B  | 6.8x6.8x4.8 | Shielded Geschirmt | 1.5uH - 1000uH | 150mA~3.95A | SMT |
| SDS63  | 6.9x6.5x3 | Shielded Geschirmt | 2.9uH - 330uH | 190mA~1.94A | SMT |
| SDS65  | 6.9x6.5x5 | Shielded Geschirmt | 10uH - 1000uH | 140mA~1.35A | SMT |
| Size : 7x7 | (L)x(W)x(Ht) | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
| SDC6D28  | 7.0x7.0x3.0 | Shielded Geschirmt | 3.0uH - 100uH | 0.54A~3.0A | SMT |
| SDC6D38  | 7.0x7.0x4.0 | Shielded Geschirmt | 3.3uH - 100uH | 0.65A~3.5A | SMT |
| SBS7028  | 7.6x7.6x3.0 | Shielded Geschirmt | 3.3uH - 47uH | 0.54A~1.6A | SMT |
| SBS7032  | 7.6x7.6x3.4 | Shielded Geschirmt | 3.3uH - 1000uH | 0.13A~1.9A | SMT |
| SBS7045  | 7.6x7.6x4.8 | Shielded Geschirmt | 3.3uH - 1000uH | 0.14A~2.5A | SMT |
| SBS7055  | 7.6x7.6x5.8 | Shielded Geschirmt | 1.5uH - 22uH | 1.70A~6.2A | SMT |
| SDS73  | 7.5x7.5x3.5 | Shielded Geschirmt | 10uH - 1000uH | 0.16A~1.68A | SMT |
| SDS74  | 7.5x7.5x4.5 | Shielded Geschirmt | 10uH - 1000uH | 0.18A~1.84A | SMT |
| SDS73H  | 7.6x7.6x3.55 | Shielded Geschirmt | 0.33uH - 1000uH | 0.25A~14.4A | SMT |
| SDS74H  | 7.6x7.6x4.5 | Shielded Geschirmt | 0.33uH - 1000uH | 0.31A~18.4A | SMT |





















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|---|----------------------|--------------------|---|------------------|-----------|
| Size : 7x7 | | (L)x(W)x(Ht) | 0 10 100 1,000 | | |
| SDS73BQ  | 7.6x7.6x3.55 | Shielded Geschirmt | 0.33uH  1000uH | 0.25A~14.4A | SMT |
| SDS74BQ  | 7.6x7.6x4.45 | Shielded Geschirmt | 0.33uH  1000uH | 0.31A~18.4A | SMT |
| Size : 8x8 | | (L)x(W)x(Ht) | 0 10 100 1,000 | | |
| SDR73  | 8.1x7.3x3.8 | | 10uH  330uH | 0.28A~1.44A | SMT |
| SDR75  | 8.1x7.3x5.5 | | 10uH  470uH | 0.34A~2.3A | SMT |
| SQH8040S  | 8.2x8.2x4.2 | Shielded Geschirmt | 0.9uH  100uH | 1.00A~11.0A | SMT |
| SPO2506  | 9.14x7.8x1.65 | | 4.7uH  1000uH | 0.10A~1.6A | SMT |
| SDH1813  | 9.19x6.4x5.3 | | 0.18uH  47uH | 0.87A~14A | SMT |
| SDR0905K  | 9.8x5.8 | | 1.5uH  4700uH | 0.24A~10A | SMT |
| SDC8D28  | 8.3x8.3x3.0 | Shielded Geschirmt | 1.0uH  100uH | 0.75A~6.50A | SMT |
| SDC8D28HP  | 8.3x8.3x3.0 | Shielded Geschirmt | 3.3uH  68uH | 1.30A~6.50A | SMT |
| SDC8D38  | 8.3x8.3x4.0 | Shielded Geschirmt | 1.8uH  100uH | 1.05A~7.0A | SMT |
| SDC8D43  | 8.3x8.3x4.5 | Shielded Geschirmt | 0.68uH  100uH | 1.3A~9.0A | SMT |
| SDC8D43HP  | 8.3x8.3x4.7 | Shielded Geschirmt | 1.2uH  68uH | 1.6A~12.6A | SMT |
| SDC8D58LD  | 8.3x8.3x6.0 | Shielded Geschirmt | 2.8uH  100uH | 0.8A~4.7A | SMT |
| SQH8040S  | 8.2x8.2x4.2 | Shielded Geschirmt | 0.5uH  220uH | 0.75A~11.0A | SMT |
| SQH8040CS  | 8.6x8.7x4.0 | Shielded Geschirmt | 10uH  680uH | 0.30A~3.20A | SMT |


















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|--|----------------------|-----------------------|------------------|------------------|-----------|
| Size : 10x10 | (L)x(W)x(Ht) | | | | |
| SDS1015  | 10.3x10.3x1.5 | Shielded Geschirmt | | 0.85A~3.4A | SMT |
| SDC103R  | 10.3x10.5x3.1 | Shielded Geschirmt | | 0.84A~11.2A | SMT |
| SDC104R  | 10.3x10.5x4.0 | Shielded Geschirmt | | 0.70A~10.0A | SMT |
| SDC104RM  | 10.4x10.3x4.5 | Shielded Geschirmt | | 2.50A~13.6A | SMT |
| SDC105R  | 10.3x10.5x5.1 | Shielded Geschirmt | | 0.42A~9.5A | SMT |
| SDC105RHP  | 10.3x10.5x5.1 | Shielded Geschirmt | | 1.0A~16.0A | SMT |
| SDS0805  | 10.7x8.2x4.8 | Shielded Geschirmt | | 0.15A~2.5A | SMT |
| SBS10145  | 10.4x10.4x4.8 | Shielded Geschirmt | | 0.22A~4.9A | SMT |
| SBS10165  | 10.4x10.4x7.0 | Shielded Geschirmt | | 2.7A~10.7A | SMT |
| SDO3308  | 12.95x9.4x3.0 | | | 0.29A~4.2A | SMT |
| SDO3316  | 12.95x9.4x5.2 | | | 0.3A~9.0A | SMT |
| SDS3316  | 12.95x9.4x5.2 | Shielded Geschirmt | | 0.32~5.6A | SMT |
| SDT3316  | 12.95x9.4x5.2 | Shielded Geschirmt | | 0.085A~4.5A | SMT |
| SDO3340  | 12.95x9.4x11.4 | | | 0.8A~8.0A | SMT |
| SDS1003  | 12.9x10.3x3.0 | Shielded Geschirmt | | 0.2A~3.5A | SMT |
| SDS1005  | 12.9x10.3x5.2 | Shielded Geschirmt | | 0.33A~5.0A | SMT |
| SQH107CS  | 10.5x10.5x7.1 | Shielded Geschirmt | | 0.7A~9.8A | SMT |

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INDUCTOR SELECTION GUIDE

Power Inductors Shielded / Unshielded - SMT



| TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|--------------|----------------------|-----------------------|------------------|------------------|-----------|
| Size : 12x12 | (L)x(W)x(Ht) | | | | |
| SDS124 | 12.5x12.5x4.5 | Shielded Geschirmt | | 0.5A~6.5A | SMT |
| SDS124H | 12.5x12.5x4.5 | Shielded Geschirmt | | 0.53A~24.4A | SMT |
| SDS125 | 12.5x12.5x6.0 | Shielded Geschirmt | | 0.40A~8.0A | SMT |
| SDS125H | 12.5x12.5x6.0 | Shielded Geschirmt | | 0.069A~33.0A | SMT |
| SDS125BQ | 12.5x12.5x6.0 | Shielded Geschirmt | | 0.70A~33.0A | SMT |
| SQH125CS | 12.5x12.5x6.0 | Shielded Geschirmt | | 0.40A~8.0A | SMT |
| SDS127 | 12.5x12.5x8.0 | Shielded Geschirmt | | 0.55A~9.8A | SMT |
| SDS127H | 12.5x12.5x8.0 | Shielded Geschirmt | | 1.14A~56.0A | SMT |
| SDS127BQ | 12.5x12.5x8.0 | Shielded Geschirmt | | 1.14A~56.0A | SMT |
| SDS127LD | 12.5x12.5x8.0 | Shielded Geschirmt | | 0.7A~14.0A | SMT |
| SDS127HS | 12.5x12.5x8.0 | Shielded Geschirmt | | 0.83A~15.5A | SMT |
| SQH127CS | 12.5x12.5x8.0 | Shielded Geschirmt | | 0.55A~9.8A | SMT |
| SDS129 | 12.5x12.5x10.0 | Shielded Geschirmt | | 1.5A~25.0A | SMT |
| SDS129LD | 12.5x12.5x10.0 | Shielded Geschirmt | | 0.43A~19.9A | SMT |
| SBS12555 | 12.8x12.8x5.8 | Shielded Geschirmt | | 0.29A~3.6A | SMT |
| SBS12565 | 12.8x12.8x6.95 | Shielded Geschirmt | | 1.3A~13A | SMT |
| SBS12575 | 12.8x12.8x7.85 | Shielded Geschirmt | | 1.0A~10A | SMT |

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INDUCTOR SELECTION GUIDE

Power Inductors Shielded / Unshielded - SMT










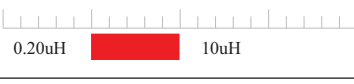

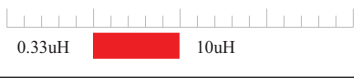

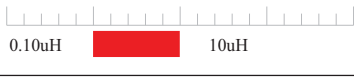

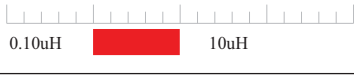

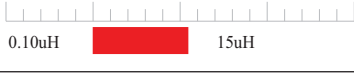



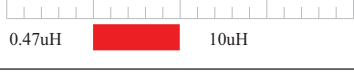

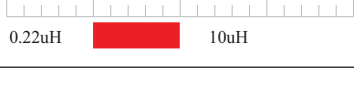

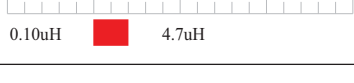

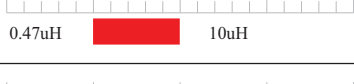

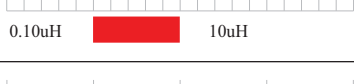



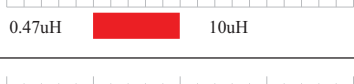

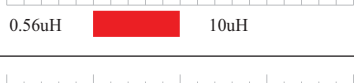

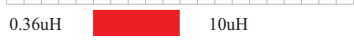
| TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|--|----------------------|--------------------|---|------------------|-----------|
| Size : over 13 | (L)x(W)x(Ht) | | 0 10 100 1,000 | | |
| SDH3316  | 13.5x9.91x6.35 | | 0.12uH  470uH | 0.5A~28A | SMT |
| SDS5022  | 18.54x15.24x7.62 | Shielded Geschirmt | 10uH  1000uH | 0.8A~18A | SMT |
| SDS1507  | 18.7x15.3x7.5 | Shielded Geschirmt | 10uH  1000uH | 0.55A~4.0A | SMT |
| SDO5022  | 18.54X15.24X7.11 | | 1.0uH  1000uH | 1A~20A | SMT |
| SDO5010  | 18.54X15.24X8.0 | | 0.78uH  1000uH | 1A~30A | SMT |
| SDO5040  | 18.54X15.24X7.11 | | 15uH  100uH | 5.6A~13.8A | SMT |
| SDH5022  | 22.65x16.56x8.3 | | 0.78uH  15uH | 8A~30A | SMT |
| SDH5040  | 22.65x16.26x12 | | 2.8uH  12uH | 15.9A~33.4A | SMT |
| SDR1307K  | 13.3x7.3 | | 1.5uH  1000uH | 1.0A~20A | SMT |
| SDH5022  | 22.65x16.56x8.3 | | 0.78uH  15uH | 8A~30A | SMT |
| SDH5040  | 22.65x16.26x12 | | 2.8uH  12uH | 15.9A~33.4A | SMT |
| SDR1307K  | 13.3x7.3 | | 1.5uH  1000uH | 1.0A~20A | SMT |
| Common Mode Choke | (L)x(W)x(Ht) | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
| STC1104  | 11.4x11.4x4.19 | Shielded Geschirmt | 0.4uH  300uH | 0.22A~5.5A | SMT |
| STC1106  | 11.4x11.4x5.97 | Shielded Geschirmt | 0.54uH  300uH | 0.42A~5.9A | SMT |
| SMM1205B  | 12.7x15.0x6.0 | Shielded Geschirmt | 220uH  1470uH | 1.22A~14.0A | SMT |
| SMM1710B  | 17.0x19.5x10.0 | Shielded Geschirmt | 880uH  1170uH | 0.9A~0.9A | SMT |

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INDUCTOR SELECTION GUIDE

High Current Inductors



| | TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|-----|---|----------------------|-----------------------|--|------------------|-----------|
| | Size : | (L)x(W)x(Ht) | | 0 10 100 1,000 | | |
| New | SEP0412EB  | 5.0x4.4x1.2 | Shielded Geschirmt |  | 8.5A~32.0A | SMT |
| New | SEP0402EB  | 5.0x4.4x2.0 | Shielded Geschirmt |  | 6.0A~35.0A | SMT |
| New | SEP0402EC  | 5.0x4.4x2.1 | Shielded Geschirmt |  | 1.75A~12.0A | SMT |
| New | SEP0512E  | 5.9x5.45x1.2 | Shielded Geschirmt |  | 1.8A~11.5A | SMT |
| New | SEP0515E  | 5.9x5.45x1.5 | Shielded Geschirmt |  | 2.3~16.0A | SMT |
| | SEP0502EB  | 5.75x5.45x2.0 | Shielded Geschirmt |  | 4.0A~45.0A | SMT |
| | SEP0502EC  | 5.75x5.45x2.0 | Shielded Geschirmt |  | 2.0A~25.0A | SMT |
| | SEP0503EB  | 5.75x5.45x3.0 | Shielded Geschirmt |  | 2.5A~27.0A | SMT |
| | SEP0503EC  | 5.75x5.45x3.0 | Shielded Geschirmt |  | 1.7A~25.0A | SMT |
| New | SEP0612E  | 7.5x6.8x1.25 | Shielded Geschirmt |  | 2.2A~11.0A | SMT |
| New | SEP0615E  | 7.5x6.8x1.5 | Shielded Geschirmt |  | 2.8A~22.0A | SMT |
| | SEP0618E  | 7.5x6.8x1.8 | Shielded Geschirmt |  | 8.0A~40.0A | SMT |
| | SEP0602EB  | 7.5x6.8x2.4 | Shielded Geschirmt |  | 5.0A~19.0A | SMT |
| | SEP0603EB  | 7.5x6.8x3.0 | Shielded Geschirmt |  | 7.0A~60.0A | SMT |
| | SEP0603EC  | 7.5x6.8x3.0 | Shielded Geschirmt |  | 3.5A~9.5A | SMT |
| | SEP0604EB  | 7.5x6.8x4.0 | Shielded Geschirmt |  | 6.0A~22.0A | SMT |
| | SEP0605EB  | 7.5x6.8x5.0 | Shielded Geschirmt |  | 4.5A~12.0A | SMT |
| New | SEP1003E  | 11.5x10.5x3.0 | Shielded Geschirmt |  | 8.0A~40.0A | SMT |






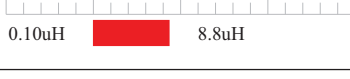

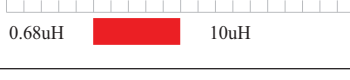

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INDUCTOR SELECTION GUIDE

High Current Inductors / Common Mode Choke



RoHS Compliant

| | TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|-----|---|----------------------|--------------------|--|------------------|-----------|
| | Size : | (L)x(W)x(Ht) | | 0 10 100 1,000 | | |
| New | SEP1004EB  | 12.5x11x4.0 | Shielded Geschirmt |  | 12.0A~90.0A | SMT |
| New | SEP1004EC  | 12.5x11x4.0 | Shielded Geschirmt |  | 2.25A~46.0A | SMT |
| | SEP1005E  | 12.5x11x5.0 | Shielded Geschirmt |  | 6.5A~58.0A | SMT |
| New | SEP1204EB  | 14.2x13.3x3.5 | Shielded Geschirmt |  | 14A~84.0A | SMT |
| | SEP1205E  | 14.2x13.3x5.0 | Shielded Geschirmt |  | 16A~118.0A | SMT |
| | SEP1206E  | 14.2x13.3x5.0 | Shielded Geschirmt |  | 12.0A~120.0A | SMT |
| New | SEP1707E  | 17.45x17.15x7.0 | Shielded Geschirmt |  | 4.0A~55.0A | SMT |
| New | SEP1707EA  | 17.45x17.15x7.0 | Shielded Geschirmt |  | 23.0A~129.0A | SMT |
| | SEP1005M  | 10.4x10.4x5.6 | Shielded Geschirmt |  | 4.8A~55.0A | SMT |
| New | SEP1205M  | 12.9x12.9x5.6 | Shielded Geschirmt |  | 5.0A~20.4A | SMT |
| New | REP1108  | 12x12x8.5 | Shielded Geschirmt |  | 40A~80.0A | SMT |
| | REP1309  | 13x9.4x10 | Shielded Geschirmt |  | 30A~80.0A | SMT |
| | REP1312  | 13.5x12.5x9.9 | Shielded Geschirmt |  | 5A~80.0A | SMT |
| | Common Mode Choke | (L)x(W)x(Ht) | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
| | | | | 0 10 100 1,000 | | |
| | SLF95  | 9.5x6.3x5.3 | Shielded Geschirmt |  | 300mA~1600mA | SMT |
| | UU9.8LF  | 16x11x16.5 | |  | 500mA | THT |
| | UU10.5LF  | 18.5x17x22 | |  | 300mA~2000mA | THT |
| New | UU15.7LF  | 23x19x28 | |  | 400mA~2200mA | THT |

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INDUCTOR SELECTION GUIDE

Common Mode Choke / LAN Magnetics



RoHS Compliant

| TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|--|----------------------|-----------------------|---|------------------|------------------|
| Common Mode Choke | (L)x(W)x(Ht) | | | | |
| CMT2510B  | 33x21.13x37.8 | Shielded Geschirmt | | 2A~10A | THT |
| CMT3615B  | 45.7x24.9x45.7 | Shielded Geschirmt | | 0.71A~1.85A | THT |
| LAN Magnetics | (L)x(W)x(Ht) | Structure | INDUCTANCE RANGE & RATED DC CURRENT | BASE | SMT / THT |
| TM1702M  | 12.8x9.5x5.7 | | 10/100BASE-T Single Port Surface Mount Magnetics | 10/100 BASE | SMT |
| TM4100  | 28.79x16.04x5.84 | | 10 /100 base T PC CARD LAN Magnetics | 10/100 BASE | SMT |
| S316200  | 12.7x6.73x5.97 | | Gigabit T Single Port Surface Mount Magnetics | Gigabit | SMT |
| RJ3216211-LF  | 21.5x16x13.6 | RJ45 Jack | 10/100 Base-Tab-Up RJ45 Jack | 10/100 BASE | THT |
| RJ31D0026-LF  | 16.7x16x16.9 | RJ45 Jack | Vertical RJ45 With 10/100 TX Magnetic | 10/100 BASE | THT |
| RJ32-0011-LF  | 21.3x16x13.4 | RJ45 Jack | 10/100Base-TX RJ45 Tab-Down Integrated Jack | 10/100 BASE | THT |
| RJ32G1630XA-LF  | 21.5x16x13.6 | RJ45 Jack | 10/100/1000 Magnetic Tab-Up RJ45 Jack | 10/100 BASE | THT |
| RJ31-19201-LF  | 21.05x16x13.05 | | Surface Mount 1X1 Tab-Up 10/100 Magnetics | 10/100/1000 BASE | THT |
| RJ32K0025-LF  | 33.02x16.6x13.5 | RJ45 Jack | 10/100/1000 Tab-Up RJ45 With Integrated | 10/100 BASE | THT |
| RJ32G080X-LF  | 21.3x16x13.4 | RJ45 Jack | Gigabit Magnetic Tab-Down RJ45 Jack | 10/100/1000 BASE | THT |
| RJ32-U3101-LF  | 25.9x16.8x20.8 | | 10/100 Base-TX Jack/Single USB Combo | Gigabit | THT |
| RJ32-U4101-LF  | 26.09x17.07x29.72 | | 10/100 Base-TX Jack / Dual USB Combo | 10/100 BASE | THT |
| RJ32GX6806-LF  | 21.3x58.87x13.61 | | 1000 Base-T RJ45 1XN Tab- Down Jack | 1000 BASE | THT |
| RJ32-X7201-LF  | 115.35x28.2x25.5 | | 10/100 Base-T RJ45 2XN Tab- Down(Up) Jack | 10/100 BASE | THT |

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INDUCTOR SELECTION GUIDE

Chip Inductors / Chip Beads / Common Mode Choke



RoHS Compliant

| | TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|-----|----------|----------------------|-----------|------------------|------------------|-----------|
| | | | | | | |
| | MS1005 | 1.1x0.6x0.6 | Ceramic | | 30mA~1.36A | SMT |
| New | MS1005HP | 1.1x0.65x0.6 | Ceramic | | 50mA~960mA | SMT |
| | MS1608 | 1.8x1.0x1.0 | Ceramic | | 100mA~700mA | SMT |
| | MS2012 | 2.2x1.4x1.1 | Ceramic | | 180mA~800mA | SMT |
| New | MS2012HQ | 2.29x1.73x1.52 | Ceramic | | 1000mA~1600mA | SMT |
| | MS2520 | 2.92x2.50x2.03 | Ceramic | | 170mA~1000mA | SMT |
| New | MS2520HQ | 2.92x2.92x2.03 | Ceramic | | 1000mA~1600mA | SMT |
| | MS3225 | 3.56x2.79x2.03 | Ceramic | | 150mA~1000mA | SMT |
| | MS1608LC | 1.8x1.2x1.1 | Ferrite | | 400mA~1800mA | SMT |
| | MS1608LS | 1.8x1.2x1.1 | Ferrite | | 200mA~800mA | SMT |
| | MS2012LC | 2.4x1.65x1.3 | Ferrite | | 100mA~1100mA | SMT |
| | MS2520LS | 2.9x2.54x2.03 | Ferrite | | 200mA~920mA | SMT |
| | MS3225LC | 3.6x2.9x2.4 | Ferrite | | 100mA~2600mA | SMT |
| | MW2520 | 2.7x2.2x2.4 | Ferrite | | 60mA~245mA | SMT |
| | MW3225 | 3.6x2.7x3.1 | Ferrite | | 40mA~450mA | SMT |
| | MW4532 | 4.8x3.4x4.4 | Ferrite | | 30mA~800mA | SMT |
| New | MW5650 | 5.6x5.3x5.3 | Ferrite | | 25mA~1800mA | SMT |

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INDUCTOR SELECTION GUIDE

Chip Inductors / Chip Beads / Common Mode Choke



RoHS Compliant

| TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|--------------------|----------------------|--------------------|------------------|------------------|-----------|
| New MF0603 | 0.63x0.33x0.33 | Ceramic | | 50mA~250mA | SMT |
| MF1005 | 1.1x0.6x0.6 | Ceramic | | 100mA~300mA | SMT |
| MF1608 | 1.8x1.0x1.0 | Ceramic | | 200mA~250mA | SMT |
| New MF0603T | 0.65x0.35x0.28 | Ceramic | | 80mA~300mA | SMT |
| New MF1005T | 1.05x0.55x0.37 | Ceramic | | 220mA~800mA | SMT |
| ML1608 | 1.8x1.0x1.0 | Shielded Geschirmt | | 1mA~50mA | SMT |
| ML2012 | 2.2x1,4x1.1 | Shielded Geschirmt | | 5mA~300mA | SMT |
| MB1005 | 1.1x0.6x0.6 | Shielded Geschirmt | | 150mA~400mA | SMT |
| MB1608 | 1.8x1.0x1.0 | Shielded Geschirmt | | 100mA~400mA | SMT |
| MB2012 | 2.2x1,45x1.1 | Shielded Geschirmt | | 100mA~600mA | SMT |
| MI3216 | 3.4x1.8x1.3 | Shielded Geschirmt | | 1000mA~3000mA | SMT |
| MI4516 | 4.7x1.8x1.8 | Shielded Geschirmt | | 2000mA~8000mA | SMT |
| MA3216 | 3.4x1.8x1.1 | Shielded Geschirmt | | 50mA~350mA | SMT |
| MM1608 | 1.7x0.95x1.2 | Shielded Geschirmt | | 500mA~500mA | SMT |
| MM2012 | 2.2x1,4x1.1 | Shielded Geschirmt | | 280mA~400mA | SMT |
| MM3216 | 3.4x1.8x1.1 | Shielded Geschirmt | | 200mA~370mA | SMT |
| SMB403025 | 4.3x3.2x2.7 | Shielded Geschirmt | | 5000mA | SMT |



















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INDUCTOR SELECTION GUIDE

Power Inductors - Through Hole



RoHS Compliant

| TYPE | DIMENSIONS (mm) Max. | Structure | INDUCTANCE RANGE | RATED DC CURRENT | SMT / THT |
|---|----------------------|--------------------|---|------------------|-----------|
| Size : | (L)x(W)x(Ht) | | | | |
| RDR654  | 6.5x5.0 | | 1.0uH ████████████████████ 1000uH | 130mA~300mA | THT |
| RDR664  | 6.5x6.5 | | 1.0uH ████████████████████ 1000uH | 190mA~400mA | THT |
| RDS664D  | 6.5x6.5 | Shielded Geschirmt | 2.7uH ████████████████████ 1000uH | 140mA~2.42A | THT |
| RDR855  | 8.3x5.5 | | 2.5uH ████████████████████ 10000uH | 81mA~4.50A | THT |
| RDR875  | 8.3x7.5 | | 2.2uH ████████████████████ 10000uH | 84mA~5.80A | THT |
| RDS875D  | 8.3x7.5 | Shielded Geschirmt | 1.2uH ████████████████████ 10000uH | 74mA~4.14A | THT |
| RDR895  | 8.3x9.5 | | 2.5uH ████████████████████ 47000uH | 38mA~5.00A | THT |
| RDR0811  | 8.3x10.8 | | 10uH ████████████████████ 1000uH | 490mA~4.40A | THT |
| RDR10064P  | 10.5x6.5 | | 1.0uH ████████████████████ 1000uH | 360mA~9.30A | THT |
| RDR10084P  | 10.5x8.5 | | 2.2uH ████████████████████ 1000uH | 450mA~7.90A | THT |
| RDS108D  | 10.5x8.5 | Shielded Geschirmt | 1.0uH ████████████████████ 1000uH | 280mA~9.15A | THT |
| RDR10104P  | 10.5x10.5 | | 10uH ████████████████████ 1000uH | 530mA~5.30A | THT |
| RDS1010D  | 10.5x10.5 | Shielded Geschirmt | 10uH ████████████████████ 1000uH | 480mA~4.80A | THT |
| RDR1014  | 10.5x14.4 | | 6.3uH ████████████████████ 39000uH | 90mA~4.30A | THT |
| RDR1215  | 12.5x15 | | 10uH ████████████████████ 5600uH | 470mA~9.80A | THT |
| RCB0608P  | 7.5x11 | | 10uH ████████████████████ 47000uH | 35mA~1.30A | THT |
| New RCB0810HP  | 9.5x11.5 | | 10uH ████████████████████ 18000uH | 100mA~4.20A | THT |
| RCB0912P  | 10.5x15 | | 10uH ████████████████████ 47000uH | 30mA~2.80A | THT |

For free evaluation samples or more information ,visit www.coilmaster.com.tw or contact info@coilmaster.com.tw

Power Inductors

SDS1608 Series Shielded Power Inductors

Inductance : 1uH to 10,000uH

Current : 3A to 0.02Amps

SDS125H Series Shielded Power Inductors

Inductance : 0.47uH to 120,000uH

Current : 33A to 0.069Amps

SDS127H Series Shielded Power Inductors

Inductance : 0.47uH to 1,000uH

Current : 56A to 1.14Amps

SDS73H Series Shielded Power Inductors

Inductance : 0.33uH to 1,000uH

Current : 14.4A to 0.25Amps

SDS74H Series Shielded Power Inductors

Inductance : 0.33uH to 1,000uH

Current : 18.4A to 0.31Amps

SEP0502EB Series Shielded High Current Inductors

Inductance : 0.1uH to 10uH

Current : 45A to 4Amps

SEP0503EB Series Shielded High Current Inductors

Inductance : 0.1uH to 15uH

Current : 27A to 2.5Amps

SD01608 Series Power Inductors

Inductance : 1uH to 1,000uH

Current : 2.9A to 0.10Amps

SD03316 Series Power Inductors

Inductance : 1uH to 1,000uH

Current : 9A to 0.30Amps

SD03340 Series Power Inductors

Inductance : 10uH to 1,000uH

Current : 8A to 0.80Amps

SDC104R Series Shielded Power Inductors

Inductance : 1.5uH to 330uH

Current : 10A to 0.7Amps

SDC105R Series Shielded Power Inductors

Inductance : 0.8uH to 1,000uH

Current : 9.5A to 0.42Amps

SQH104CS Series Shielded Power Inductors

Inductance : 1.5uH to 330uH

Current : 10A to 0.7Amps

SEP0603EB Series Shielded High Current Inductors

Inductance : 0.1uH to 10uH

Current : 60A to 7Amps