



Coilmaster



Surface mount Power Inductors

Shielded Wire wound Inductors

Coilmaster Electronics Co., Ltd.

Headquarters: 9F-3 No.398, Huan Bei Road, Chung Li City , Taoyuan 320, Taiwan,ROC

TEL: 886-3-4228279; FAX: 886-3-4228734



<http://www.coilmaster.com.tw>



info@coilmaster.com.tw

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Low Profile Inductors

SMD Shielded Low Profile Inductors

Surface Mount Power Inductors – SQH series

Coilmaster – SQH series Low Profile Power Inductor, For updated portable products, such as, Smart phone, Tablet...etc. Coilmaster provide wide range dimension of low-profile wirewound inductors to satisfy customer's requirement. From 2010 (2.2*1.8*1.0mm) to 8040 (8.2*8.2*4.2mm) for use in DC-DC converter applications to increase flexibility of maximum height measurements with extended electrical characteristics.

Coilmaster "SQH" series is designed to provide a good balance of height and performance within chip power miniature inductor offering. The SQH2012S Series was developed to have a low profile height only 1.0mm.

Whole SQH series – low profile inductors (Shielded power inductors) provide low DC resistance and high rated current. This is crucial for contemporary gadget.

Customer design is acceptable for us. Coilmaster will produce the product with base on the characteristic even it is outside our specifications.

1) Features :

- High current saturation.
- Tape & Reel, RoHS(Reach) Compliant.
- Semi-Shielded (Magnetically Shielded) Structure.
- Lead (Halogen)free.
- Low profile construction and tiny size.
- Small size in 2.0 x 1.8 mm with low profile 1.0 mm.

2) Applications :

- Smart phone, Tablet, Portable devices
- Power line filtering.
- DC to DC converters.



High Saturation Inductors

High Current Power Inductors

Molded Power Chokes – SEP series

Coilmaster – SEP series - Surface Mount Power Inductor which with Low DCR, High Saturation Current , High Frequency. SEP – High current power inductors features high saturation current and low direct current resistance (DCR) in surface-mount package.

Coilmaster also provide tiny size of Molded Power Chokes, for instance, SEP2520ET series. Dimension only have 2.7*2.2*1.0mm (low profile inductor), The SEP series inductors use an advanced core material that operating temperature range from -55°C to +125°C, and also provide the lowest DCR of any inductor in the same size and profile.

These high saturation current inductors are suitable for use in voltage regulator module applications in Smart phones, desktop computers, tablet, notebook computers, workstations and servers as well as DC-DC applications, and other high-power, high-density, high-ambient temperature applications.

SEP – High saturation inductors provides a high peak saturation current and a maximum operating current rating that enables the inductors to handle the high current requirements of microprocessors with significant saturation margin. This series also with low copper losses and high current rating and wide inductance range.

The SEP series – (Molded Power Chokes) – RoHS (Reach) compliant. Coilmaster will produce the product with base on the characteristic even it is outside our specifications.

1) Features :

- Low Profile: 1.0mm ~ 7.0mm.
- Low DCR, High Current SMD Power Inductor.
- For Large Current Use: 1.6 amp ~ “129” amp.
- High Frequency

2) Applications :

- Thin type on-board power supply module for exchanger..
- Smart phone, Tablet, Notebook, Laptop Computer, Graphic Card.
- DC-DC converter .
- Inductor for general purpose use.



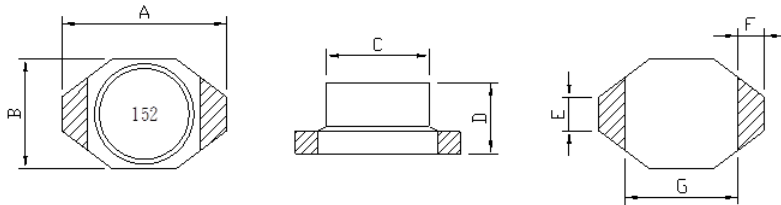
Shielded Low DCR Inductors

SMD Shielded Power Inductors

Large Current Power Inductors – SDS1608/3316/5022 series

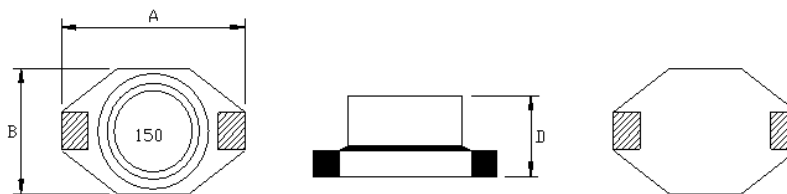
Coilmaster Electronics – Surface mount lower DCR Shielded Power Inductors. We provide three series in order to satisfy customer's requirement. SDS1608, SDS3316, SDS5022. These Shielded Power Inductor normally is used in Smart phones, high-current dc/dc converters and telecom equipment, the SDS series SMD Inductors from Coilmaster Electronics provide wide range inductance, lower DCR and high current.

SDS1608 series – Inductance Range: 1.0 ~10000uH / Isat: 0.017~1.4A



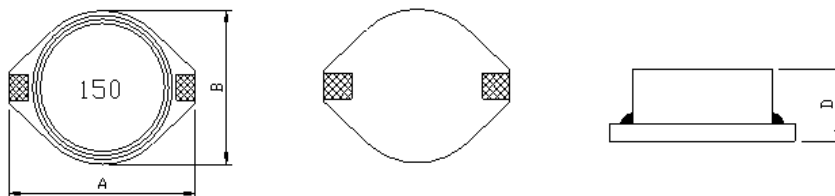
A: 6.6 Max B: 4.45 Max C: 3.90±0.3 D: 2.92 Max E: 1.27±0.2 F: 1.02±0.2 G: 4.32±0.3

SDS3316 series – Inductance Range: 1.0 ~1000uH / Isat: 0.32~5.6A



A: 12.95 Max B: 9.4 Max D: 5.08 Max

SDS5022 series – Inductance Range: 1.0 ~1000uH / Isat: 0.8~18A



A: 18.54 Max B: 15.24 Max D: 7.62 Max



SMD Shielded Inductor

SMD Shielded Power Inductors

Large Current Power Inductors – SDS1608/3316/5022 series

Coilmaster Electronics – SDS1608/3316/5022 series, Shielded, surface-mount wire-wound inductors features with wide range of profile, current, inductance. These Shielded Power Inductors suitable to low-profile Smart phone, Tablet, DC-DC converters, Switch-mode power supplies used in power telecommunications systems, industrial equipment, and medical instrumentation.

The SMD Shielded Power Inductors are wire-wound, surround by the ferrite core which are suitable for cost-critical mass applications and the surface-mounting capability. The SDS series conform to the RoHS (Reach) directive and Lead (Halogen) free. Coilmaster also could product the characteristic which request form our customer side even it is not on our specification.

Three of series are magnetically shielded in order to avoid electromagnetic interference to surrounding components. Electrical parameters include an inductance of 1.0 μH to 10000 μH , and rated current of 0.017A to 18.00A. Also with wide range of operating temperature: -40°C ~ $+125^{\circ}\text{C}$.

1) Features :

- SDS1608 is aimed to communication devices.
- SDS3316 and SDS5022 is designed for the higher current requirements of portable devices.
- SDS3316 and SDS5022 used plastic base.
- SDS168 used gold-plating with ceramic base.
- Magnetically Shielded Power Inductors.
- Tiny size.

2) Applications :

- Tablet, Smart phone, Notebook, Personal Computers
- Other Electronic Devices.
- High current DC-DC converter.

Wirewound Power Inductors

High Current Inductors

Surface Mount Power Inductors – SDS60 Series

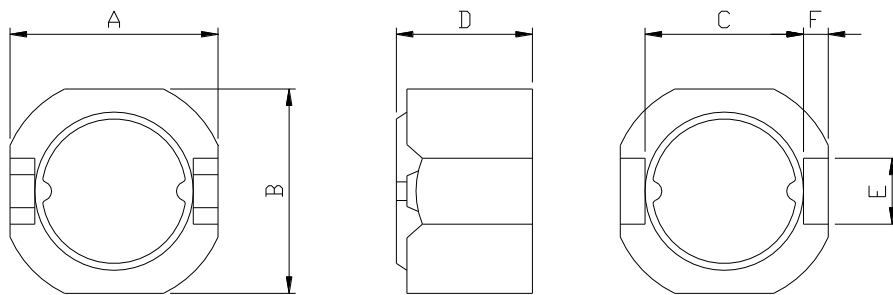
Coilmaster - SDS60 Series - SMD Wirewound Inductor with low DCR, high current, low profile. We still keep improving our process and material in order to provide better product to our customer side.

Coilmaster SMD shielded power inductors (SDS60) series conform to the RoHS (Reach) directive and Lead (Halogen) free. Our component could wide use on different application, Application of specific designs also available to us, Coilmaster engineer team will provide suitable component for you in the shortest time.

1) Inductor Overview :

There are four size are available. If you can't find the suitable size, please feel free to contact us.

- 1) SDS0620:(A:6.3 x B:6.3 x D:2.0 mm); 1.00 μ H ~ 47.00 μ H; IDC 0.50A ~ 3.50A.
- 2) SDS0625:(A:6.3 x B:6.3 x D 2.5 mm); 1.00 μ H ~ 82.00 μ H; IDC 0.36A ~ 3.48A.
- 3) SDS0630:(A:6.3 x B:6.3 x D 3.0 mm); 1.00 μ H ~ 150.00 μ H; IDC 0.31A ~ 3.59A.
- 4) SDS0635:(A:6.3 x B:6.3 x D 3.5 mm); 2.00 μ H ~ 100.00 μ H; IDC 0.45A ~ 3.00A.



2) Features :

- 1. Compact and thin
- 2. Large Current and Low DCR
- 3. Magnetically shielded construction

3) Applications :

- 1. Computer devices, Video game console.
- 2. Variety of DC-DC converter.

Shielded Wirewound Inductors

Surface Mount Power Inductors

Shielded Wirewound Power Inductors – SRS Series

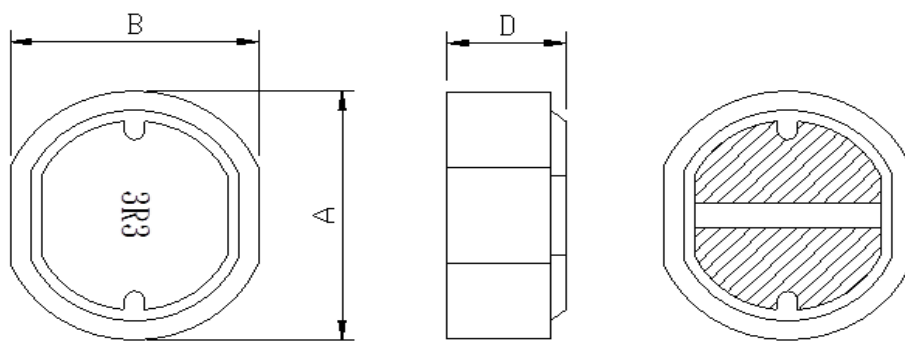
Coilmaster SMD Shielded Power Inductor (SRS series) – keep to diminish the Board Space. The SRS series of wire wound inductor is designed for general purpose, such as, for measurement equipment, telecommunications, networking, portable devices, Personal computers, Tablet, appliances, and other electronic devices.

Developed to increase efficiency, Coilmaster is improving our process to produce lower DC resistance, save valuable board space and several size are available. The inductors are magnetically shielded to prevent interference and operate temperature range from -40°C to $+125^{\circ}\text{C}$. Coilmaster Electronics offers a variety of coils and inductors, including choke coils, high current inductors...etc.

1) Inductor Overview :

There are three size are available. If you can't find the suitable size, please feel free to contact us.

- 1) SRS74R :(A:8.3 x B:7.5 x D:5.0 mm) ; 10.0 μH ~ 270.00 μH ; IDC 0.33A ~ 1.65A.
- 2) SRS105R:(A:10.5 x B:10.1 x D 5.5 mm); 10.0 μH ~ 470.00 μH ; IDC 0.33A ~ 2.06A.
- 3) SRS125R:(A:13.1 x B:12.1 x D 5.9 mm); 10.00 μH ~ 820.00 μH ; IDC 0.36A ~ 2.65A.



2) Features :

- 1. Magnetically shielded construction.
- 2. High mounting density.
- 3. Compact and thin.

3) Applications :

- 1 Portable communication equipment.
- 2 Computer devices, Video game console, Notebook, Tablet, Smart phone.



Shielded Power Inductors

High Current Inductors

Surface Mount Power Inductors – SDS63/SDS65 Series

Coilmaster –SDS63/SDS65 shielded large current inductor series, both series are directly connected electrode on ferrite core, provide high saturation and excellent property.

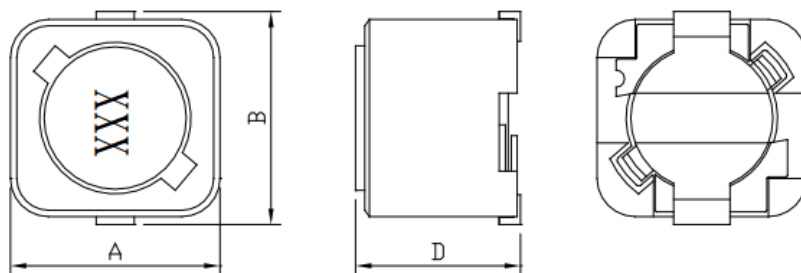
Coilmaster SDS63/SDS65 series - with wire wound and magnetic shielded construction offers a variety of characteristics and high performance. Customers can select the optimum characteristics by choosing from, DCR, and a wide range of inductance values and tolerances with some types offering magnetic shielding.

The series is Lead (Halogen)free and RoHS (Reach)compliant. Coilmaster provide wide range of inductance, DCR, IDC. Customer design is acceptable for us.

1) Inductor Overview :

There are two size are available. If you can't find the suitable size, please feel free to contact us.

- 1) SDS63 :(A:6.9 x B:6.5 x D:3.0 mm); 2.9 μ H ~ 330 μ H ; IDC 0.19A ~ 1.94A.
- 2) SDS65 :(A: 6.9 x B:6.5 x D:5.0 mm); 10.0 μ H ~ 1000.00 μ H; IDC 0.14A ~ 1.35A.



2) Features :

- 1. Magnetically shielded construction.
- 2. High mounting density.
- 3. Compact and thin.

3) Applications :

- 1. Computer devices, Video game console, Notebook, Tablet, Smart phone.
- 2. Portable communication equipment.



SMD Shielded Inductors

Surface Mount Inductors

Surface Mount Power Inductors – SDS73/SDS74 Series

Coilmaster – SDS73/SDS74 – With wide inductance range of SMD High Current Power inductor, provide inductance range from 10.00 μ H to 1000.00 μ H and design for general purpose use. This series provide the excellent property and high saturation current due to directly connected electrode on ferrite core

SDS73/SDS74 – both size are magnetic shielded construction with wire wound , that could provide the variety of characteristics and excellent performance.

Coilmaster enhances SMD power wirewound inductor covering complete footprint and the inductance range from 1.00 μ to 1000.00 μ , very low DCR, and Rated Current up to 18.4A.

Whole series are lead(Halogen)-free and RoHS(Reach) compliant. Coilmaster provide wide range of inductance, DCR, IDC. Customer design is acceptable for us.

1) Inductor Overview :

There are two size are available. If you can't find the suitable size, please feel free to contact us.

- 1) SDS73 :(A:7.5 x B:7.5 x D:3.5 mm); 10.0 μ H ~ 1000.00 μ H ; IDC 0.16A ~ 14.4A.
- 2) SDS74 :(A:7.5 x B:7.5 x D:4.5 mm); 10.0 μ H ~ 1000.00 μ H ; IDC 0.18A ~ 18.4A.

2) Features :

- Large Current
- Low DCR.
- Magnetically shielded construction.

3) Applications :

- Tablet, Smart phone, Notebook.
- Portable communication equipment.
- DC-DC converters



Shielded Inductor (Wirewound)

High Current Inductors

Surface Mount Power Inductors – SDS124/125/127 Series

Shielded Surface mount Inductors –SDS124/125/127 series provides Low DCR, High Current Power Inductors. Shielded power inductors (SDS Series) provides wide inductance range from 0.47 μ H to 1000.00 μ H, low DCR, and large current up to 56A. These devices are directly connected electrode on ferrite core with excellent property and high saturation for surface mounting.

SDS124/125/127 – Shielded power inductors (Wire wound inductor) and magnetically shielded construction offers a variety of characteristics and excellent performance .

The series is Lead (Halogen)free and RoHS (Reach)compliant. Coilmaster provide wide range of inductance, DCR, IDC. Customer design is acceptable for us.

1) Inductor Overview :

There are three size are available. If you can't find the suitable size, please feel free to contact us.

- SDS124: (12.3x12.3x4.5 mm); 0.47 μ H ~ 1000.00 μ H ; IDC0.53A ~ 24.4A.
- SDS125: (12.3x12.3x6.0 mm); 0.47 μ H ~ 12000.00 μ H; IDC 0.069A ~ 33.0A.
- SDS127: (12.3x12.3x8.0 mm); 0.47 μ H ~ 1000.00 μ H ; IDC 1.14A ~ 56.0A.

2) Features :

- Large Current
- Low DCR.
- Magnetically shielded construction.

3) Applications :

- Tablet, Smart phone, Notebook.
- Portable communication equipment.
- DC-DC converters



Shielded Inductor (Wirewound)

Dual Winding Inductors

Surface Mount Power Inductors –125BQ/127BQ Series

Four pin terminals (Surface Mount Dual Winding Inductor) constructs with four terminal pin which have flexible design as inductors or transformers (SDS124BQXF, SDS125BQXF, SDS127BQXF)

Provide wide inductance range , low direct current resistance (DCR), large current. These devices are connected electrode on ferrite core directly with excellent property and high saturation for shielded power inductor.

125BQ/127BQ - magnetic shielded construction with wire wound provides variety of characteristics and high performance.

The series is Lead (Halogen)free and RoHS (Reach)compliant. Coilmaster provide wide range of inductance, DCR, IDC. Customer design is acceptable for us.

1) Inductor Overview :

There are two size are available. If you can't find the suitable size, please feel free to contact us.

- SDS125BQ: (12.5x12.5x6.0 mm); 0.47 μ H ~ 1000.00 μ H ; IDC 0.70A ~ 33.0A.

- SDS127BQ: (12.5x12.5x8.0 mm); 0.47 μ H ~ 1000.00 μ H ; IDC 1.14A ~ 56.0A.

2) Features :

- Large Current and Low DCR.
- Magnetically shielded construction.
- Flexible design as inductors or transformers (Four Pin Terminals).

3) Applications :

- Tablet, Smart phone, Notebook.
- Portable communication equipment.
- DC-DC converters



High Current Inductor

Surface Mount Power Inductors

Shielded Power Inductor – SDC103/104/105R Series

Coilmaster - SDC103/104/105R series Wire Wound High-Current Inductor provides wide inductance range , low direct current resistance (DCR), large current. (100% alternative to Sumida CDRH103R/104R/105R series with more competitive price and better L/T.)

Coilmaster - SDC103/104/105R series with wire wound and magnetically shielded construction offers a variety of characteristics and high performance.

The series is Lead (Halogen)free and RoHS (Reach)compliant. Coilmaster provide wide range of inductance, DCR, IDC. Customer design is acceptable for us.

1) Inductor Overview :

There are three size are available. If you can't find the suitable size, please feel free to contact us.

- SDC103R: (10.4x10.3x3.1 mm); 0.80 μ H ~ 150.00 μ H ; IDC0.84A ~ 11.2A.
- SDC104R: (10.4x10.3x 4.0 mm); 1.50 μ H ~ 330.00 μ H ; IDC 0.70A ~ 10.0A.
- SDC105R: (10.4x10.3x 5.1 mm); 0.80 μ H ~ 1000.00 μ H ; IDC 0.48A ~ 13.5A.

2) Features :

- Large Current
- Low DCR.
- Magnetic shielded construction.

3) Applications :

- DC-DC converters.
- Portable communication equipment.
- Measurement Equipment, Tablet, Notebook, Audio Devices.



Low Profile Inductor

High current Power Inductors

Surface Mount Inductors – SDC2D14/2D18/3D16 series

SDC2D14/2D18/3D14 series SMD Shielded Power Inductors with low profile only 1.65mm , Three of series are directly connected electrode on ferrite core with excellent property and high saturation for surface mounting.

Coilmaster SDC2D14/2D18/3D16 series with wire wound and magnetically shielded construction offers a variety of characteristics and high performance.

Coilmaster enhances surface mount wirewound inductor covering complete footprint with profile from 1.65 mm.

The series is Lead (Halogen)free and RoHS (Reach)compliant. Coilmaster provide wide range of inductance, DCR, IDC. Customer design is acceptable for us.

1) Inductor Overview :

There are three size are available. If you can't find the suitable size, please feel free to contact us.

- SDC2D14: (3.2x3.2x1.65 mm); 1.0 μ H ~ 330.00 μ H ; IDC 0.10A ~ 2.0A.
- SDC2D18: (3.2x3.2x 2.0 mm); 1.70 μ H ~ 15.00 μ H ; IDC 0.70A ~ 1.85A.
- SDC3D14: (4.0x4.0x 1.6 mm); 1.50 μ H ~ 22.00 μ H ; IDC 0.65A ~ 2.60A.

2) Features :

- Large Current
- Low DCR, Profile
- Magnetic shielded construction.

3) Applications :

- DC-DC converters.
- Portable communication equipment.
- Measurement Equipment, Tablet, Notebook, Audio Devices.



Shielded Power Inductor

Surface Mount Power Inductors

Low Profile Power Inductor – SDC Series

Coilmaster provide several size of Shielded Inductor for our customer. From SDC3D series (4.0x4.0x1.8) to SDC6D series (7.0x7.0x2.8), Wire wound Inductors features with wide inductance range with low DCR low profile.(surface mount low-profile) inductor series. These compact devices feature ultra-low 1.8 mm to maximum 4.0 mm profile, with a wide inductance range. It's very competitive shielded power inductor.(High current inductors)

Coilmaster enhances power wirewound inductor (SDC3D/SDC4D/SDC5D/SDC6D) family series covering complete footprint with profile.

The series are magnetically shielded construction (wire wound inductor), offers variety of characteristics and high performance. Customers design is acceptable for us, even if the characteristic is not on the specification.

The series is Lead (Halogen)free and RoHS (Reach)compliant. Coilmaster provide wide range of inductance, DCR, IDC. Customer design is acceptable for us.

1) Inductor Overview :

- SDC3D16: (4.0x4.0x1.8 mm); L:1.00μH ~ 33.00μH; IDC 2.00A ~ 0.30A.
- SDC3D18: (4.0x4.0x 2.0 mm); L:1.00μH ~ 47.00μH; IDC 2.50A ~ 0.35A.
- SDC3D28: (4.0x4.0x 3.0 mm); L:3.30μH ~ 47.00μH; IDC 2.00A ~ 0.48A.
- SDC4D18: (5.0x5.0x3.0 mm); L:1.00μH ~ 180.00μH; IDC 1.72A ~ 0.14A.
- SDC4D28: (5.0x5.0x3.0 mm); L:1.20μH ~ 390.00μH; IDC 2.56A ~ 0.13A.
- SDC5D18: (6.0x6.0x2.0 mm); L:4.10μH ~ 330.00μH; IDC 1.95A ~ 0.18A.
- SDC5D28: (6.0x6.0x 3.0 mm); L:2.60μH ~ 680.00μH; IDC 2.60A ~ 0.16A.
- SDC6D28: (7.0x7.0x3.0 mm); L:3.00μH ~ 680.00μH; IDC 3.00A ~ 0.20A.
- SDC6D38: (7.0x7.0x 4.0 mm); L:3.30μH ~ 1000.00μH; IDC 3.50A ~ 0.20A.

2) Features :

- Large Current
- Low DCR.
- Magnetic shielded inductor.

3) Applications :

- DC-DC converters.
- Portable communication equipment.
- Measurement Equipment, Tablet, Notebook, Audio Devices.



Shielded Power Inductor

Surface Mount Power Inductors

Low Profile Power Inductor – SDC8D Series

Coilmaster provide several size of surface mount power inductors, with high current. SDC8D28/SDC8D38/SDC8D43, three of series are directly connected electrode on ferrite core with excellent property.

Coilmaster enhances power wirewound inductor SDC8D family series covering complete footprint with profile.

The series are magnetically shielded construction (wire wound inductor), offers variety of characteristics and high performance. Customers design is acceptable for us, even if the characteristic is not on the specification.

The series is Lead (Halogen)free and RoHS (Reach)compliant. Coilmaster provide wide range of inductance, DCR, IDC. Operating Temperature is - 40°C to + 125°C.

1) Inductor Overview :

- SDC8D28: (8.3x8.3x3.0 mm); L:2.50 μ H ~ 100.00 μ H; IDC 0.75A ~ 4.50A.
- SDC8D38: (8.3x8.3x4.0 mm); L:1.80 μ H ~ 100.00 μ H; IDC 1.05A ~ 7.00A.
- SDC8D43: (8.3x8.3x4.5 mm); L:2.00 μ H ~ 100.00 μ H; IDC 1.30A ~ 7.00A.

2) Features :

- Large Current
- Low DCR.
- Magnetic shielded inductor.

3) Applications :

- DC-DC converters.
- Portable communication equipment.
- Measurement Equipment, Tablet, Notebook, Audio Devices.



High Current Power Inductor

Surface Mount Power Inductors

Wirewound Inductor – SBS Series

SBS series – Shielded Inductor, (wirewound power inductor), Coilmaster provide low profile , high current inductors. Coilmaster SBS family - low-profile inductor, wire wound inductors, high-current inductors with a new device that offers the lowest direct current resistance (DCR). We provide several size in order to satisfy our customer's requirement. From SBS6025 to SBS12575.

Coilmaster – SBS series , SMD shielded inductors feature Reach (RoHS) compliant and a Pb(Halogen) free, magnetically shielded inductor, composite construction that reduces buzz noise to ultra-low levels.

The SBS series is a high-performance, space-saving and power-saving solution for different applications such as, Tablet, Notebook, Personal Computers, Projector, PDA, mobile devices and servers.

1) Inductor Overview :

- SBS6025: (6.2x6.2x2.7 mm); L:4.70 μ H ~ 100.00 μ H; IDC 0.33A ~ 1.50A.
- SBS6028: (6.2x6.2x3.0 mm); L:4.70 μ H ~ 100.00 μ H; IDC 0.42A ~ 1.60A.
- SBS7028: (7.2x7.2x3.0 mm); L:3.30 μ H ~ 47.00 μ H; IDC 0.54A ~ 1.60A.
- SBS7032: (7.2x7.2x3.4 mm); L:3.30 μ H ~ 1000.0 μ H; IDC 0.13A ~ 1.90A.
- SBS10145: (10.4x10.4x4.8 mm) ; L:3.30 μ H ~ 1500.00 μ H; IDC 0.22A ~ 4.90A.
- SBS10165: (10.4x10.4x7.0 mm) ; L:1.50 μ H ~ 22.00 μ H; IDC 2.70A ~ 10.70A.
- SBS12575: (12.8x12.8x7.85 mm); L:1.20 μ H ~ 220.00 μ H; IDC 1.30A ~ 13.00A.

2) Features :

- Large Current
- Low DCR.
- Magnetic shielded inductor.

3) Applications :

- DC-DC converters.
- Portable communication equipment, PDA, Mobile devices.
- Measurement Equipment, Tablet, Notebook, Audio Devices, PC.



For more information, Please visit our website

