

# SBC Coils

[RoHS Compliant]



## ●SBC1Series (SBC1-□□□-○○○)

| Model        | Inductance<br>L (μH)<br>at 10 kHz, 1 mA | DC resistance<br>(Ω)<br>max. | Rated current<br>(A)<br>ΔT=20°C | Current (Reference value)<br>(A) |                   |           | Terminal |  |
|--------------|---|------------------------------|---------------------------------|----------------------------------|-------------------|-----------|----------|--|
|              |   |                              |                                 | ΔT=40°C                          | L change rate=10% | Soft lead | Pin lead |  |
| SBC1-1R0-312 | 1.0±20%                                 | 0.03                         | 3.10                            | 4.30                             | 5.20              | ○         |          |  |
| SBC1-1R5-292 | 1.5±20%                                 | 0.03                         | 2.90                            | 4.00                             | 4.00              | ○         |          |  |
| SBC1-2R2-272 | 2.2±20%                                 | 0.04                         | 2.70                            | 3.70                             | 3.20              | ○         |          |  |
| SBC1-3R3-232 | 3.3±20%                                 | 0.04                         | 2.30                            | 3.20                             | 2.70              | ○         |          |  |
| SBC1-4R7-202 | 4.7±20%                                 | 0.05                         | 2.00                            | 2.80                             | 2.10              | ○         |          |  |
| SBC1-6R8-182 | 6.8±20%                                 | 0.06                         | 1.80                            | 2.50                             | 1.90              | ○         |          |  |
| SBC1-100-172 | 10±20%                                  | 0.08                         | 1.70                            | 2.30                             | 1.50              | ○         |          |  |
| SBC1-150-162 | 15±20%                                  | 0.10                         | 1.60                            | 2.20                             | 1.20              | ○         |          |  |
| SBC1-220-132 | 22±20%                                  | 0.13                         | 1.30                            | 1.80                             | 1.00              | ○         |          |  |
| SBC1-330-102 | 33±20%                                  | 0.22                         | 1.00                            | 1.40                             | 0.83              | ○         |          |  |
| SBC1-470-711 | 47±10%                                  | 0.34                         | 0.71                            | 0.99                             | 0.71              |           | ○        |  |
| SBC1-680-651 | 68±10%                                  | 0.42                         | 0.65                            | 0.91                             | 0.59              |           | ○        |  |
| SBC1-101-571 | 100±10%                                 | 0.65                         | 0.57                            | 0.79                             | 0.47              |           | ○        |  |
| SBC1-151-431 | 150±10%                                 | 1.00                         | 0.43                            | 0.60                             | 0.38              |           | ○        |  |
| SBC1-221-391 | 220±10%                                 | 1.20                         | 0.39                            | 0.54                             | 0.32              |           | ○        |  |
| SBC1-331-341 | 330±10%                                 | 1.90                         | 0.34                            | 0.47                             | 0.26              |           | ○        |  |
| SBC1-471-301 | 470±10%                                 | 2.40                         | 0.30                            | 0.42                             | 0.21              |           | ○        |  |
| SBC1-681-251 | 680±10%                                 | 3.40                         | 0.25                            | 0.35                             | 0.18              |           | ○        |  |
| SBC1-102-211 | 1000±10%                                | 4.90                         | 0.21                            | 0.29                             | 0.14              |           | ○        |  |
| SBC1-152-181 | 1500±10%                                | 8.00                         | 0.18                            | 0.25                             | 0.12              |           | ○        |  |

Package: Bulk 10,000pcs/box

## ●SBC2Series (SBC2-□□□-○○○)

| Model        | Inductance<br>L (μH)<br>at 10 kHz, 1 mA | DC resistance<br>(Ω)<br>max. | Rated current<br>(A)<br>ΔT=20°C | Current (Reference value)<br>(A) |                   |           | Terminal |  |
|--------------|---|------------------------------|---------------------------------|----------------------------------|-------------------|-----------|----------|--|
|              |   |                              |                                 | ΔT=40°C                          | L change rate=10% | Soft lead | Pin lead |  |
| SBC2-1R0-612 | 1.0±20%                                 | 0.01                         | 6.10                            | 8.50                             | 6.40              | ○         |          |  |
| SBC2-1R5-402 | 1.5±20%                                 | 0.02                         | 4.00                            | 5.60                             | 4.90              | ○         |          |  |
| SBC2-3R3-352 | 3.3±20%                                 | 0.03                         | 3.50                            | 4.90                             | 4.00              | ○         |          |  |
| SBC2-4R7-262 | 4.7±20%                                 | 0.04                         | 2.60                            | 3.60                             | 3.10              | ○         |          |  |
| SBC2-6R8-242 | 6.8±20%                                 | 0.05                         | 2.40                            | 3.30                             | 2.70              | ○         |          |  |
| SBC2-100-212 | 10±20%                                  | 0.06                         | 2.10                            | 2.90                             | 2.10              | ○         |          |  |
| SBC2-150-162 | 15±20%                                  | 0.08                         | 1.60                            | 2.20                             | 1.70              | ○         |          |  |
| SBC2-220-132 | 22±20%                                  | 0.11                         | 1.30                            | 1.80                             | 1.40              | ○         |          |  |
| SBC2-330-112 | 33±20%                                  | 0.18                         | 1.10                            | 1.50                             | 1.20              | ○         |          |  |
| SBC2-470-951 | 47±10%                                  | 0.21                         | 0.95                            | 1.30                             | 1.00              | ○         |          |  |
| SBC2-680-871 | 68±10%                                  | 0.26                         | 0.87                            | 1.20                             | 0.81              | ○         |          |  |
| SBC2-101-671 | 100±10%                                 | 0.41                         | 0.67                            | 0.93                             | 0.68              |           | ○        |  |
| SBC2-151-501 | 150±10%                                 | 0.64                         | 0.50                            | 0.70                             | 0.55              |           | ○        |  |
| SBC2-221-411 | 220±10%                                 | 0.87                         | 0.41                            | 0.57                             | 0.45              |           | ○        |  |
| SBC2-331-341 | 330±10%                                 | 1.40                         | 0.34                            | 0.47                             | 0.37              |           | ○        |  |
| SBC2-471-271 | 470±10%                                 | 2.00                         | 0.27                            | 0.37                             | 0.32              |           | ○        |  |
| SBC2-681-211 | 680±10%                                 | 3.10                         | 0.21                            | 0.29                             | 0.26              |           | ○        |  |
| SBC2-102-181 | 1000±10%                                | 4.00                         | 0.18                            | 0.25                             | 0.21              |           | ○        |  |
| SBC2-152-141 | 1500±10%                                | 6.20                         | 0.14                            | 0.19                             | 0.17              |           | ○        |  |
| SBC2-222-121 | 2200±10%                                | 8.00                         | 0.12                            | 0.16                             | 0.14              |           | ○        |  |
| SBC2-332-900 | 3300±10%                                | 13.80                        | 0.09                            | 0.12                             | 0.11              |           | ○        |  |

Package: Soft lead · bulk 3,750pcs/box  
Pin lead · bulk 8,000pcs/box



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●SBC3Series (SBC3-□□□-○○○)

| Model        | Inductance<br>L (μH)<br>at 10 kHz, 1mA | DC resistance<br>(Ω)<br>max. | Rated current<br>(A)<br>ΔT=20°C | Current (Reference value)<br>(A) |                   | Terminal  |          |
|--------------|--|------------------------------|---------------------------------|----------------------------------|-------------------|-----------|----------|
|              |  |                              |                                 | ΔT=40°C                          | L change rate=10% | Soft lead | Pin lead |
| SBC3-1R2-752 | 1.2±20%                                | 0.01                         | 7.50                            | 10.50                            | 9.80              | ○         |          |
| SBC3-1R5-632 | 1.5±20%                                | 0.01                         | 6.30                            | 8.80                             | 8.30              | ○         |          |
| SBC3-2R2-602 | 2.2±20%                                | 0.02                         | 6.00                            | 8.40                             | 7.20              | ○         |          |
| SBC3-3R3-472 | 3.3±20%                                | 0.02                         | 4.70                            | 6.50                             | 5.60              | ○         |          |
| SBC3-4R7-422 | 4.7±20%                                | 0.02                         | 4.20                            | 5.80                             | 4.60              | ○         |          |
| SBC3-6R8-392 | 6.8±20%                                | 0.03                         | 3.90                            | 5.40                             | 4.00              | ○         |          |
| SBC3-100-362 | 10±20%                                 | 0.03                         | 3.60                            | 5.00                             | 3.00              | ○         |          |
| SBC3-150-232 | 15±20%                                 | 0.05                         | 2.30                            | 3.20                             | 2.60              | ○         |          |
| SBC3-220-202 | 22±20%                                 | 0.06                         | 2.00                            | 2.80                             | 2.10              | ○         |          |
| SBC3-330-172 | 33±20%                                 | 0.09                         | 1.70                            | 2.30                             | 1.80              | ○         |          |
| SBC3-470-142 | 47±10%                                 | 0.12                         | 1.40                            | 1.90                             | 1.40              | ○         |          |
| SBC3-680-112 | 68±10%                                 | 0.19                         | 1.10                            | 1.50                             | 1.20              | ○         |          |
| SBC3-101-961 | 100±10%                                | 0.26                         | 0.96                            | 1.30                             | 1.00              | ○         |          |
| SBC3-151-791 | 150±10%                                | 0.36                         | 0.79                            | 1.10                             | 0.81              | ○         |          |
| SBC3-221-681 | 220±10%                                | 0.49                         | 0.68                            | 0.95                             | 0.67              |           | ○        |
| SBC3-331-551 | 330±10%                                | 0.72                         | 0.55                            | 0.77                             | 0.53              |           | ○        |
| SBC3-471-491 | 470±10%                                | 1.02                         | 0.49                            | 0.68                             | 0.46              |           | ○        |
| SBC3-681-361 | 680±10%                                | 1.62                         | 0.36                            | 0.50                             | 0.38              |           | ○        |
| SBC3-102-281 | 1000±10%                               | 2.37                         | 0.28                            | 0.39                             | 0.31              |           | ○        |
| SBC3-152-251 | 1500±10%                               | 3.64                         | 0.25                            | 0.35                             | 0.26              |           | ○        |
| SBC3-222-191 | 2200±10%                               | 5.62                         | 0.19                            | 0.26                             | 0.21              |           | ○        |
| SBC3-332-151 | 3300±10%                               | 7.66                         | 0.15                            | 0.21                             | 0.17              |           | ○        |
| SBC3-472-121 | 4700±10%                               | 11.40                        | 0.12                            | 0.16                             | 0.14              |           | ○        |
| SBC3-682-111 | 6800±10%                               | 14.50                        | 0.11                            | 0.15                             | 0.12              |           | ○        |

Package: Bulk 4,000pcs/box

●SBC4Series (SBC4-□□□-○○○)

| Model        | Inductance<br>L (μH)<br>at 10 kHz, 1mA | DC resistance<br>(Ω)<br>max. | Rated current<br>(A)<br>ΔT=20°C | Current (Reference value)<br>(A) |                   | Terminal  |          |
|--------------|--|------------------------------|---------------------------------|----------------------------------|-------------------|-----------|----------|
|              |  |                              |                                 | ΔT=40°C                          | L change rate=10% | Soft lead | Pin lead |
| SBC4-1R0-742 | 1.0±20%                                | 0.01                         | 7.40                            | 10.30                            | 14.90             | ○         |          |
| SBC4-1R5-712 | 1.5±20%                                | 0.01                         | 7.10                            | 9.90                             | 12.60             | ○         |          |
| SBC4-2R7-662 | 2.7±20%                                | 0.02                         | 6.60                            | 9.20                             | 9.60              | ○         |          |
| SBC4-3R3-642 | 3.3±20%                                | 0.02                         | 6.40                            | 8.90                             | 8.60              | ○         |          |
| SBC4-4R7-582 | 4.7±20%                                | 0.02                         | 5.80                            | 8.10                             | 7.10              | ○         |          |
| SBC4-6R8-452 | 6.8±20%                                | 0.03                         | 4.50                            | 6.30                             | 5.60              | ○         |          |
| SBC4-100-292 | 10±20%                                 | 0.04                         | 2.90                            | 4.00                             | 4.60              | ○         |          |
| SBC4-150-232 | 15±20%                                 | 0.06                         | 2.30                            | 3.20                             | 4.00              | ○         |          |
| SBC4-220-202 | 22±20%                                 | 0.07                         | 2.00                            | 2.80                             | 3.20              | ○         |          |
| SBC4-330-182 | 33±20%                                 | 0.09                         | 1.80                            | 2.50                             | 2.60              | ○         |          |
| SBC4-470-162 | 47±10%                                 | 0.11                         | 1.60                            | 2.20                             | 2.10              | ○         |          |
| SBC4-680-122 | 68±10%                                 | 0.19                         | 1.20                            | 1.60                             | 1.80              | ○         |          |
| SBC4-101-102 | 100±10%                                | 0.26                         | 1.00                            | 1.40                             | 1.50              | ○         |          |
| SBC4-151-861 | 150±10%                                | 0.36                         | 0.86                            | 1.20                             | 1.20              | ○         |          |
| SBC4-221-721 | 220±10%                                | 0.47                         | 0.72                            | 1.00                             | 1.00              |           | ○        |
| SBC4-331-591 | 330±10%                                | 0.67                         | 0.59                            | 0.82                             | 0.81              |           | ○        |
| SBC4-471-491 | 470±10%                                | 0.95                         | 0.49                            | 0.68                             | 0.68              |           | ○        |
| SBC4-681-431 | 680±10%                                | 1.32                         | 0.43                            | 0.60                             | 0.57              |           | ○        |
| SBC4-102-291 | 1000±10%                               | 2.15                         | 0.29                            | 0.40                             | 0.47              |           | ○        |
| SBC4-152-221 | 1500±10%                               | 3.24                         | 0.22                            | 0.30                             | 0.38              |           | ○        |
| SBC4-222-211 | 2200±10%                               | 4.97                         | 0.21                            | 0.29                             | 0.32              |           | ○        |
| SBC4-332-161 | 3300±10%                               | 7.69                         | 0.16                            | 0.22                             | 0.26              |           | ○        |
| SBC4-472-141 | 4700±10%                               | 9.78                         | 0.14                            | 0.19                             | 0.21              |           | ○        |
| SBC4-682-111 | 6800±10%                               | 15.00                        | 0.11                            | 0.15                             | 0.18              |           | ○        |
| SBC4-103-111 | 10000±10%                              | 19.50                        | 0.11                            | 0.15                             | 0.14              |           | ○        |

Package: Soft lead · bulk 3,000pcs/box  
Pin lead · bulk 4,000pcs/box



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## ●SBC6Series (SBC6-□□□-○○○)

| Model        | Inductance<br>L (μH)<br>at 10 kHz, 1mA | DC resistance<br>(Ω)<br>max. | Rated current<br>(A)<br>ΔT=20°C | Current (Reference value)<br>(A) |                   | Terminal  |          |
|--------------|--|------------------------------|---------------------------------|----------------------------------|-------------------|-----------|----------|
|              |  |                              |                                 | ΔT=40°C                          | L change rate=10% | Soft lead | Pin lead |
| SBC6-1R0-962 | 1.0±20%                                | 0.01                         | 9.60                            | 13.40                            | 37.70             | ○         |          |
| SBC6-1R5-942 | 1.5±20%                                | 0.01                         | 9.40                            | 13.10                            | 30.90             | ○         |          |
| SBC6-2R7-872 | 2.7±20%                                | 0.01                         | 8.70                            | 12.10                            | 22.60             | ○         |          |
| SBC6-3R3-852 | 3.3±20%                                | 0.01                         | 8.50                            | 11.90                            | 20.00             | ○         |          |
| SBC6-4R7-802 | 4.7±20%                                | 0.01                         | 8.00                            | 11.20                            | 16.10             | ○         |          |
| SBC6-6R8-662 | 6.8±20%                                | 0.02                         | 6.60                            | 9.20                             | 13.60             | ○         |          |
| SBC6-100-462 | 10±20%                                 | 0.03                         | 4.60                            | 6.40                             | 10.90             | ○         |          |
| SBC6-150-382 | 15±20%                                 | 0.03                         | 3.80                            | 5.30                             | 9.10              | ○         |          |
| SBC6-220-302 | 22±20%                                 | 0.05                         | 3.00                            | 4.20                             | 7.50              | ○         |          |
| SBC6-330-272 | 33±20%                                 | 0.06                         | 2.70                            | 3.70                             | 6.10              | ○         |          |
| SBC6-470-232 | 47±10%                                 | 0.08                         | 2.30                            | 3.20                             | 5.00              | ○         |          |
| SBC6-680-222 | 68±10%                                 | 0.09                         | 2.20                            | 3.00                             | 4.10              | ○         |          |
| SBC6-101-172 | 100±10%                                | 0.13                         | 1.70                            | 2.30                             | 3.50              | ○         |          |
| SBC6-151-122 | 150±10%                                | 0.23                         | 1.20                            | 1.60                             | 2.80              | ○         |          |
| SBC6-221-112 | 220±10%                                | 0.33                         | 1.10                            | 1.50                             | 2.30              | ○         |          |
| SBC6-331-871 | 330±10%                                | 0.41                         | 0.87                            | 1.20                             | 1.90              | ○         |          |
| SBC6-471-701 | 470±10%                                | 0.63                         | 0.70                            | 0.98                             | 1.60              | ○         |          |
| SBC6-681-631 | 680±10%                                | 0.98                         | 0.63                            | 0.88                             | 1.30              |           | ○        |
| SBC6-102-561 | 1000±10%                               | 1.21                         | 0.56                            | 0.78                             | 1.10              |           | ○        |
| SBC6-152-451 | 1500±10%                               | 1.80                         | 0.45                            | 0.63                             | 0.90              |           | ○        |
| SBC6-222-351 | 2200±10%                               | 2.63                         | 0.35                            | 0.49                             | 0.73              |           | ○        |
| SBC6-332-281 | 3300±10%                               | 4.24                         | 0.28                            | 0.39                             | 0.61              |           | ○        |
| SBC6-472-241 | 4700±10%                               | 5.92                         | 0.24                            | 0.33                             | 0.50              |           | ○        |
| SBC6-682-181 | 6800±10%                               | 8.92                         | 0.18                            | 0.25                             | 0.42              |           | ○        |
| SBC6-103-161 | 10000±10%                              | 13.60                        | 0.16                            | 0.22                             | 0.35              |           | ○        |

Package: Soft lead · bulk 1,600pcs/box  
Pin lead · bulk 2,000pcs/box

## ●SBC7Series (SBC7-□□□-○○○)

| Model        | Inductance<br>L (μH)<br>at 10 kHz, 1mA | DC resistance<br>(Ω)<br>max. | Rated current<br>(A)<br>ΔT=20°C | Current (Reference value)<br>(A) |                   | Terminal  |          |
|--------------|--|------------------------------|---------------------------------|----------------------------------|-------------------|-----------|----------|
|              |  |                              |                                 | ΔT=40°C                          | L change rate=10% | Soft lead | Pin lead |
| SBC7-6R8-612 | 6.8±20%                                | 0.02                         | 6.10                            | 8.50                             | 13.90             | ○         |          |
| SBC7-100-532 | 10±20%                                 | 0.02                         | 5.30                            | 7.20                             | 11.80             | ○         |          |
| SBC7-150-482 | 15±20%                                 | 0.03                         | 4.80                            | 6.70                             | 9.60              | ○         |          |
| SBC7-220-432 | 22±20%                                 | 0.03                         | 4.30                            | 6.00                             | 7.80              | ○         |          |
| SBC7-330-342 | 33±20%                                 | 0.05                         | 3.40                            | 4.70                             | 6.20              | ○         |          |
| SBC7-470-282 | 47±10%                                 | 0.06                         | 2.80                            | 3.90                             | 5.20              | ○         |          |
| SBC7-680-222 | 68±10%                                 | 0.09                         | 2.20                            | 3.00                             | 4.50              | ○         |          |
| SBC7-101-192 | 100±10%                                | 0.12                         | 1.90                            | 2.60                             | 3.60              | ○         |          |
| SBC7-151-172 | 150±10%                                | 0.16                         | 1.70                            | 2.30                             | 2.90              | ○         |          |
| SBC7-221-132 | 220±10%                                | 0.25                         | 1.30                            | 1.80                             | 2.40              | ○         |          |
| SBC7-331-941 | 330±10%                                | 0.45                         | 0.94                            | 1.30                             | 2.00              | ○         |          |
| SBC7-471-851 | 470±10%                                | 0.55                         | 0.85                            | 1.10                             | 1.60              | ○         |          |
| SBC7-681-701 | 680±10%                                | 0.81                         | 0.70                            | 0.98                             | 1.40              | ○         |          |
| SBC7-102-541 | 1000±10%                               | 1.20                         | 0.54                            | 0.75                             | 1.10              |           | ○        |
| SBC7-152-481 | 1500±10%                               | 1.58                         | 0.48                            | 0.67                             | 0.93              |           | ○        |
| SBC7-222-421 | 2200±10%                               | 2.18                         | 0.42                            | 0.58                             | 0.77              |           | ○        |
| SBC7-332-361 | 3300±10%                               | 3.51                         | 0.36                            | 0.50                             | 0.63              |           | ○        |
| SBC7-472-281 | 4700±10%                               | 4.83                         | 0.28                            | 0.39                             | 0.53              |           | ○        |
| SBC7-682-211 | 6800±10%                               | 7.00                         | 0.21                            | 0.29                             | 0.44              |           | ○        |
| SBC7-103-191 | 10000±10%                              | 10.30                        | 0.19                            | 0.26                             | 0.36              |           | ○        |

Package: Bulk 1,000pcs/box



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●SBC8Series (SBC8-□□□-○○○)

| Model        | Inductance L (μH)<br>at 10 kHz, 1mA | DC resistance (Ω)<br>max. | Rated current (A)<br>ΔT=20°C | Current (Reference value)<br>(A) |                   | Terminal  |          |
|--------------|-------------------------------------|---------------------------|------------------------------|----------------------------------|-------------------|-----------|----------|
|              |                                     |                           |                              | ΔT=40°C                          | L change rate=10% | Soft lead | Pin lead |
| SBC8-6R8-862 | 6.8±20%                             | 0.02                      | 8.60                         | 12.00                            | 13.90             | ○         |          |
| SBC8-100-692 | 10±20%                              | 0.02                      | 6.90                         | 9.60                             | 11.80             | ○         |          |
| SBC8-150-532 | 15±20%                              | 0.03                      | 5.30                         | 7.40                             | 9.60              | ○         |          |
| SBC8-220-492 | 22±20%                              | 0.03                      | 4.90                         | 6.80                             | 7.80              | ○         |          |
| SBC8-330-452 | 33±20%                              | 0.04                      | 4.50                         | 6.30                             | 6.50              | ○         |          |
| SBC8-470-372 | 47±10%                              | 0.04                      | 3.70                         | 5.10                             | 5.40              | ○         |          |
| SBC8-680-322 | 68±10%                              | 0.06                      | 3.20                         | 4.40                             | 4.30              | ○         |          |
| SBC8-101-242 | 100±10%                             | 0.09                      | 2.40                         | 3.30                             | 3.50              | ○         |          |
| SBC8-151-202 | 150±10%                             | 0.15                      | 2.00                         | 2.80                             | 3.00              | ○         |          |
| SBC8-221-182 | 220±10%                             | 0.17                      | 1.80                         | 2.50                             | 2.40              | ○         |          |
| SBC8-331-142 | 330±10%                             | 0.25                      | 1.40                         | 1.90                             | 2.00              | ○         |          |
| SBC8-471-112 | 470±10%                             | 0.42                      | 1.10                         | 1.50                             | 1.60              | ○         |          |
| SBC8-681-102 | 680±10%                             | 0.52                      | 1.00                         | 1.40                             | 1.30              | ○         |          |
| SBC8-102-761 | 1000±10%                            | 0.78                      | 0.76                         | 1.00                             | 1.10              | ○         |          |
| SBC8-152-581 | 1500±10%                            | 1.30                      | 0.58                         | 0.81                             | 0.92              |           | ○        |
| SBC8-222-471 | 2200±10%                            | 1.80                      | 0.47                         | 0.67                             | 0.78              |           | ○        |
| SBC8-332-421 | 3300±10%                            | 2.50                      | 0.42                         | 0.58                             | 0.63              |           | ○        |
| SBC8-472-391 | 4700±10%                            | 3.20                      | 0.39                         | 0.54                             | 0.53              |           | ○        |
| SBC8-682-311 | 6800±10%                            | 4.90                      | 0.31                         | 0.43                             | 0.44              |           | ○        |
| SBC8-103-251 | 10000±10%                           | 6.90                      | 0.25                         | 0.35                             | 0.36              |           | ○        |

Package: Soft lead · bulk 900pcs/box  
Pin lead · bulk 1,000pcs/box

●SBC9Series (SBC9-□□□-○○○)

| Model        | Inductance L (μH)<br>at 10 kHz, 1mA | DC resistance (Ω)<br>max. | Rated current (A)<br>ΔT=20°C | Current (Reference value)<br>(A) |                   | Terminal  |          |
|--------------|-------------------------------------|---------------------------|------------------------------|----------------------------------|-------------------|-----------|----------|
|              |                                     |                           |                              | ΔT=40°C                          | L change rate=10% | Soft lead | Pin lead |
| SBC9-1R0-982 | 1.0±20%                             | 0.01                      | 9.80                         | 13.70                            | 31.10             | ○         |          |
| SBC9-1R5-942 | 1.5±20%                             | 0.01                      | 9.40                         | 13.10                            | 25.40             | ○         |          |
| SBC9-2R2-792 | 2.2±20%                             | 0.01                      | 7.90                         | 11.00                            | 21.50             | ○         |          |
| SBC9-3R3-622 | 3.3±20%                             | 0.02                      | 6.20                         | 8.60                             | 16.40             | ○         |          |
| SBC9-4R7-562 | 4.7±20%                             | 0.02                      | 5.60                         | 7.80                             | 14.70             | ○         |          |
| SBC9-6R8-492 | 6.8±20%                             | 0.03                      | 4.90                         | 6.80                             | 12.10             | ○         |          |
| SBC9-100-422 | 10±20%                              | 0.03                      | 4.20                         | 5.80                             | 9.60              | ○         |          |
| SBC9-150-362 | 15±20%                              | 0.04                      | 3.60                         | 5.00                             | 7.50              | ○         |          |
| SBC9-220-312 | 22±20%                              | 0.04                      | 3.10                         | 4.30                             | 6.20              | ○         |          |
| SBC9-330-252 | 33±20%                              | 0.06                      | 2.50                         | 3.50                             | 5.20              | ○         |          |
| SBC9-470-202 | 47±10%                              | 0.09                      | 2.00                         | 2.80                             | 4.30              | ○         |          |
| SBC9-680-152 | 68±10%                              | 0.15                      | 1.50                         | 2.10                             | 3.70              | ○         |          |
| SBC9-101-122 | 100±10%                             | 0.21                      | 1.20                         | 1.60                             | 3.00              | ○         |          |
| SBC9-151-112 | 150±10%                             | 0.26                      | 1.10                         | 1.50                             | 2.40              | ○         |          |
| SBC9-221-821 | 220±10%                             | 0.41                      | 0.82                         | 1.10                             | 2.00              | ○         |          |
| SBC9-331-671 | 330±10%                             | 0.58                      | 0.67                         | 0.93                             | 1.60              | ○         |          |
| SBC9-471-601 | 470±10%                             | 0.82                      | 0.60                         | 0.84                             | 1.30              |           | ○        |
| SBC9-681-551 | 680±10%                             | 1.05                      | 0.55                         | 0.77                             | 1.10              |           | ○        |
| SBC9-102-451 | 1000±10%                            | 1.53                      | 0.45                         | 0.63                             | 0.87              |           | ○        |
| SBC9-152-341 | 1500±10%                            | 2.49                      | 0.34                         | 0.47                             | 0.72              |           | ○        |
| SBC9-222-271 | 2200±10%                            | 3.78                      | 0.27                         | 0.38                             | 0.60              |           | ○        |
| SBC9-332-221 | 3300±10%                            | 5.68                      | 0.22                         | 0.31                             | 0.48              |           | ○        |
| SBC9-472-181 | 4700±10%                            | 8.20                      | 0.18                         | 0.25                             | 0.40              |           | ○        |
| SBC9-682-141 | 6800±10%                            | 12.70                     | 0.14                         | 0.20                             | 0.34              |           | ○        |
| SBC9-103-121 | 10000±10%                           | 16.10                     | 0.12                         | 0.17                             | 0.28              |           | ○        |

Package: Bulk 2,000pcs/box  
●Operating temperature range: -20 to +105°C (Including self-temperature rise)

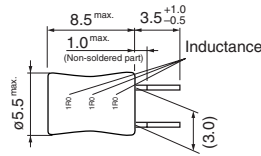


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Shape and Dimensions

●SBC1Series (SBC1-□□□-○○○)

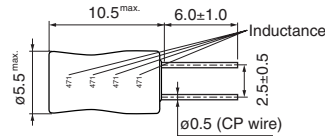
[Soft leads]



| Model        | Lead diam. |
|--------------|------------|
| SBC1-1R0-312 | ø0.30      |
| SBC1-1R5-292 | ø0.30      |
| SBC1-2R2-272 | ø0.30      |
| SBC1-3R3-232 | ø0.30      |
| SBC1-4R7-202 | ø0.30      |
| SBC1-6R8-182 | ø0.30      |
| SBC1-100-172 | ø0.30      |
| SBC1-150-162 | ø0.30      |
| SBC1-220-132 | ø0.28      |
| SBC1-330-102 | ø0.24      |

\*Lead pitch is a reference value at the root end.  
\*Integrated soft/hard lead structure.

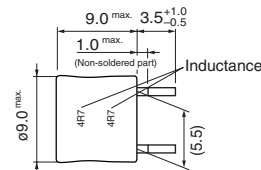
[Hard leads]



\*Lead pitch is a value at the root end.  
\*With phenolic resin base.

●SBC3Series (SBC3-□□□-○○○)

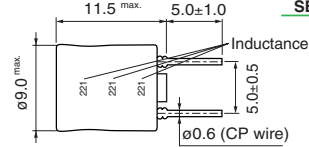
[Soft leads]



| Model        | Lead diam. |
|--------------|------------|
| SBC3-1R2-752 | ø0.80      |
| SBC3-1R5-632 | ø0.70      |
| SBC3-2R2-602 | ø0.70      |
| SBC3-3R3-472 | ø0.60      |
| SBC3-4R7-422 | ø0.60      |
| SBC3-6R8-392 | ø0.60      |
| SBC3-100-362 | ø0.60      |
| SBC3-150-232 | ø0.50      |
| SBC3-220-202 | ø0.45      |
| SBC3-330-172 | ø0.40      |
| SBC3-470-142 | ø0.40      |
| SBC3-680-112 | ø0.35      |
| SBC3-101-961 | ø0.32      |
| SBC3-151-791 | ø0.30      |

\*Lead pitch is a reference value at the root end.  
\*Integrated soft/hard lead structure.

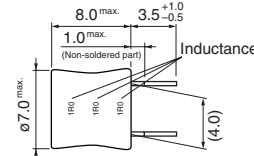
[Hard leads]



\*Lead pitch is a value at the root end.  
\*With phenolic resin base.

●SBC2Series (SBC2-□□□-○○○)

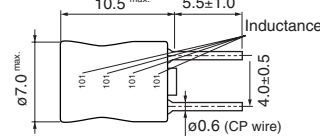
[Soft leads]



| Model        | Lead diam. |
|--------------|------------|
| SBC2-1R0-612 | ø0.60      |
| SBC2-1R5-402 | ø0.50      |
| SBC2-3R3-352 | ø0.45      |
| SBC2-4R7-262 | ø0.40      |
| SBC2-6R8-242 | ø0.40      |
| SBC2-100-212 | ø0.40      |
| SBC2-150-162 | ø0.35      |
| SBC2-220-132 | ø0.32      |
| SBC2-330-112 | ø0.28      |
| SBC2-470-951 | ø0.28      |
| SBC2-680-871 | ø0.28      |

\*Lead pitch is a reference value at the root end.  
\*Integrated soft/hard lead structure.

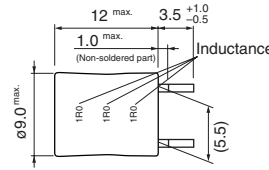
[Hard leads]



\*Lead pitch is a value at the root end.  
\*With phenolic resin base.

●SBC4Series (SBC4-□□□-○○○)

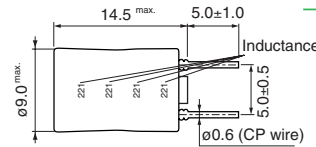
[Soft leads]



| Model        | Lead diam. |
|--------------|------------|
| SBC4-1R0-742 | ø0.80      |
| SBC4-1R5-712 | ø0.80      |
| SBC4-2R7-662 | ø0.80      |
| SBC4-3R3-642 | ø0.80      |
| SBC4-4R7-582 | ø0.70      |
| SBC4-6R8-452 | ø0.60      |
| SBC4-100-292 | ø0.50      |
| SBC4-150-232 | ø0.45      |
| SBC4-220-202 | ø0.45      |
| SBC4-330-182 | ø0.45      |
| SBC4-470-162 | ø0.45      |
| SBC4-680-122 | ø0.35      |
| SBC4-101-102 | ø0.32      |
| SBC4-151-861 | ø0.32      |

\*Lead pitch is a reference value at the root end.  
\*Integrated soft/hard lead structure.

[Hard leads]



\*Lead pitch is a value at the root end.  
\*With phenolic resin base.

[mm]

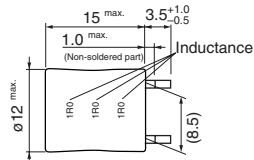


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Shape and Dimensions

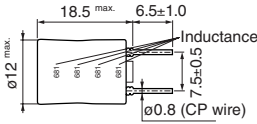
●SBC6Series (SBC6-□□□-○○○)

[Soft leads]



\*Lead pitch is a reference value at the root end.  
\*Integrated soft/hard lead structure.

[Hard leads]

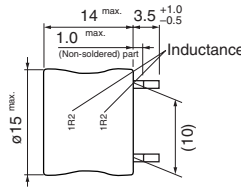


\*Lead pitch is a value at the root end.  
\*With phenolic resin base.

| Model        | Lead diam. |
|--------------|------------|
| SBC6-1R0-962 | ø1.20      |
| SBC6-1R5-942 | ø1.20      |
| SBC6-2R7-872 | ø1.20      |
| SBC6-3R3-852 | ø1.20      |
| SBC6-4R7-802 | ø1.20      |
| SBC6-6R8-662 | ø1.00      |
| SBC6-100-462 | ø0.80      |
| SBC6-150-382 | ø0.70      |
| SBC6-220-302 | ø0.60      |
| SBC6-330-272 | ø0.60      |
| SBC6-470-232 | ø0.60      |
| SBC6-680-222 | ø0.60      |
| SBC6-101-172 | ø0.55      |
| SBC6-151-122 | ø0.45      |
| SBC6-221-112 | ø0.40      |
| SBC6-331-871 | ø0.40      |
| SBC6-471-701 | ø0.35      |

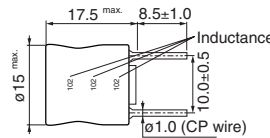
●SBC7Series (SBC7-□□□-○○○)

[Soft leads]



\*Lead pitch is a reference value at the root end.  
\*Integrated soft/hard lead structure.

[Hard leads]

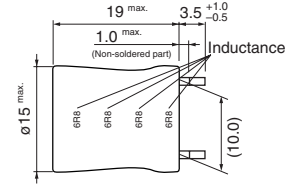


\*Lead pitch is a value at the root end.  
\*With phenolic resin base.

| Model        | Lead diam. |
|--------------|------------|
| SBC7-6R8-612 | ø0.90      |
| SBC7-100-532 | ø0.90      |
| SBC7-150-482 | ø0.90      |
| SBC7-220-432 | ø0.90      |
| SBC7-330-342 | ø0.80      |
| SBC7-470-282 | ø0.70      |
| SBC7-680-222 | ø0.60      |
| SBC7-101-192 | ø0.60      |
| SBC7-151-172 | ø0.60      |
| SBC7-221-132 | ø0.50      |
| SBC7-331-941 | ø0.40      |
| SBC7-471-851 | ø0.40      |
| SBC7-681-701 | ø0.35      |

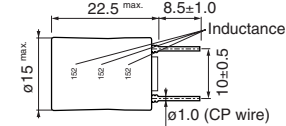
●SBC8Series (SBC8-□□□-○○○)

[Soft leads]



\*Lead pitch is a reference value at the root end.  
\*Integrated soft/hard lead structure.

[Hard leads]

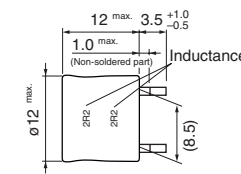


\*Lead pitch is a value at the root end.  
\*With phenolic resin base.

| Model        | Lead diam. |
|--------------|------------|
| SBC8-6R8-862 | ø1.20      |
| SBC8-100-692 | ø1.00      |
| SBC8-150-532 | ø0.90      |
| SBC8-220-492 | ø0.90      |
| SBC8-330-452 | ø0.90      |
| SBC8-470-372 | ø0.90      |
| SBC8-680-322 | ø0.80      |
| SBC8-101-242 | ø0.70      |
| SBC8-151-202 | ø0.60      |
| SBC8-221-182 | ø0.60      |
| SBC8-331-142 | ø0.55      |
| SBC8-471-112 | ø0.45      |
| SBC8-681-102 | ø0.45      |
| SBC8-102-761 | ø0.40      |

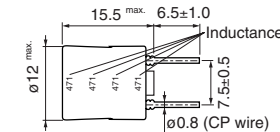
●SBC9Series (SBC9-□□□-○○○)

[Soft leads]



\*Lead pitch is a reference value at the root end.  
\*Integrated soft/hard lead structure.

[Hard leads]



\*Lead pitch is a value at the root end.  
\*With phenolic resin base.

| Model        | Lead diam. |
|--------------|------------|
| SBC9-1R0-982 | ø1.20      |
| SBC9-1R5-942 | ø1.20      |
| SBC9-2R2-792 | ø1.00      |
| SBC9-3R3-622 | ø0.90      |
| SBC9-4R7-562 | ø0.80      |
| SBC9-6R8-492 | ø0.70      |
| SBC9-100-422 | ø0.70      |
| SBC9-150-362 | ø0.70      |
| SBC9-220-312 | ø0.70      |
| SBC9-330-252 | ø0.60      |
| SBC9-470-202 | ø0.55      |
| SBC9-680-152 | ø0.45      |
| SBC9-101-122 | ø0.40      |
| SBC9-151-112 | ø0.40      |
| SBC9-221-821 | ø0.35      |
| SBC9-331-671 | ø0.32      |

[mm]

Numbering System

SBC 1 - 101 - 571

① ② ③ ④

| Model       | Core size [mm] |
|-------------|----------------|
| SBC1 Series | ø4.5 × 6.5     |
| SBC2 Series | ø6.0 × 6.0     |
| SBC3 Series | ø8.0 × 7.0     |
| SBC4 Series | ø8.0 × 10.0    |
| SBC6 Series | ø11.0 × 13.0   |
| SBC7 Series | ø14.0 × 12.0   |
| SBC8 Series | ø14.0 × 17.0   |
| SBC9 Series | ø11.0 × 10.0   |

① Series  
② Core size

Model numbers and Core sizes

The model numbers are classified according to core size as shown below.

③ Inductance:  $10 \times 10^3 = 100 (\mu H)$   
④ Rated current:  $57 \times 10^3 = 570 (mA)$

\*The presence of an external tube may not be indicated on the surface of sample products.



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