



**THE DATASHEET OF  
SBC3-472-121**



## Overview

Ferrite power inductors are useful in various fields and suitable for DC/DC converters and noise filters.

## Applications

Typical applications include LED lighting, xDSL modems, copying machines, flat TVs, smart meters, and power supplies.

## Benefits

- Drum core construction
- Nickel-zinc (NiZn) ferrite core
- Magnetic non-shield type
- Operating temperature range of up to +105°C
- RoHS compliant



## Ordering Information

| SBC    | 1-   | 101-   | 571  |
|--------|--|--|--|
| Series | Core Size  | Inductance Code (μH)   | Rate Current Code (mA)   |
| SBC    | Outer size x height<br>1 = Φ 4.5 × 6.5<br>2 = Φ 6.0 × 6.0<br>3 = Φ 8.0 × 7.0<br>4 = Φ 8.0 × 10.0<br>6 = Φ 11.0 × 13.0<br>7 = Φ 14.0 × 12.0<br>8 = Φ 14.0 × 17.0<br>9 = Φ 11.0 × 10.0 | First two digits represent significant figures. Third digit specifies number of zeros. | First two digits represent significant figures. Third digit specifies number of zeros. |

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

## Dimensions – Millimeters

### SBC1

| Part Number  | Lead Diameter |          |
|--------------|---------------|----------|
|              | Soft Lead     | Pin Lead |
| SBC1-1R0-312 | ∅ 0.30        | -        |
| SBC1-1R5-292 | ∅ 0.30        | -        |
| SBC1-2R2-272 | ∅ 0.30        | -        |
| SBC1-3R3-232 | ∅ 0.30        | -        |
| SBC1-4R7-202 | ∅ 0.30        | -        |
| SBC1-6R8-182 | ∅ 0.30        | -        |
| SBC1-100-172 | ∅ 0.30        | -        |
| SBC1-150-162 | ∅ 0.30        | -        |
| SBC1-220-132 | ∅ 0.28        | -        |
| SBC1-330-102 | ∅ 0.24        | -        |
| SBC1-470-711 | -             | ∅ 0.50   |
| SBC1-680-651 | -             | ∅ 0.50   |
| SBC1-101-571 | -             | ∅ 0.50   |
| SBC1-151-431 | -             | ∅ 0.50   |
| SBC1-221-391 | -             | ∅ 0.50   |
| SBC1-331-341 | -             | ∅ 0.50   |
| SBC1-471-301 | -             | ∅ 0.50   |
| SBC1-561-291 | -             | ∅ 0.50   |
| SBC1-681-251 | -             | ∅ 0.50   |
| SBC1-102-211 | -             | ∅ 0.50   |
| SBC1-152-181 | -             | ∅ 0.50   |

[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.

### SBC2

| Part Number  | Lead Diameter |          |
|--------------|---------------|----------|
|              | Soft Lead     | Pin Lead |
| SBC2-1R0-612 | ∅ 0.60        | -        |
| SBC2-1R5-402 | ∅ 0.50        | -        |
| SBC2-3R3-352 | ∅ 0.45        | -        |
| SBC2-4R7-262 | ∅ 0.40        | -        |
| SBC2-6R8-242 | ∅ 0.40        | -        |
| SBC2-100-212 | ∅ 0.40        | -        |
| SBC2-150-162 | ∅ 0.35        | -        |
| SBC2-220-132 | ∅ 0.32        | -        |
| SBC2-330-112 | ∅ 0.28        | -        |
| SBC2-470-951 | ∅ 0.28        | -        |
| SBC2-680-871 | ∅ 0.28        | -        |
| SBC2-101-671 | -             | ∅ 0.60   |
| SBC2-151-501 | -             | ∅ 0.60   |
| SBC2-221-411 | -             | ∅ 0.60   |
| SBC2-331-341 | -             | ∅ 0.60   |
| SBC2-471-271 | -             | ∅ 0.60   |
| SBC2-681-211 | -             | ∅ 0.60   |
| SBC2-102-181 | -             | ∅ 0.60   |
| SBC2-152-141 | -             | ∅ 0.60   |
| SBC2-222-121 | -             | ∅ 0.60   |
| SBC2-272-101 | -             | ∅ 0.60   |
| SBC2-332-900 | -             | ∅ 0.60   |

[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.

## Dimensions – Millimeters cont.

### SBC3

| Part Number  | Lead Diameter |          |
|--------------|---------------|----------|
|              | Soft Lead     | Pin Lead |
| SBC3-1R2-752 | ∅ 0.80        | -        |
| SBC3-1R5-632 | ∅ 0.70        | -        |
| SBC3-2R2-602 | ∅ 0.70        | -        |
| SBC3-3R3-472 | ∅ 0.60        | -        |
| SBC3-4R7-422 | ∅ 0.60        | -        |
| SBC3-6R8-392 | ∅ 0.60        | -        |
| SBC3-100-362 | ∅ 0.60        | -        |
| SBC3-150-232 | ∅ 0.50        | -        |
| SBC3-220-202 | ∅ 0.45        | -        |
| SBC3-330-172 | ∅ 0.40        | -        |
| SBC3-470-142 | ∅ 0.40        | -        |
| SBC3-680-112 | ∅ 0.35        | -        |
| SBC3-101-961 | ∅ 0.32        | -        |
| SBC3-151-791 | ∅ 0.30        | -        |
| SBC3-221-681 | -             | ∅ 0.60   |
| SBC3-331-551 | -             | ∅ 0.60   |
| SBC3-471-491 | -             | ∅ 0.60   |
| SBC3-561-421 | -             | ∅ 0.60   |
| SBC3-681-361 | -             | ∅ 0.60   |
| SBC3-102-281 | -             | ∅ 0.60   |
| SBC3-122-281 | -             | ∅ 0.60   |
| SBC3-152-251 | -             | ∅ 0.60   |
| SBC3-222-191 | -             | ∅ 0.60   |
| SBC3-332-151 | -             | ∅ 0.60   |
| SBC3-472-121 | -             | ∅ 0.60   |
| SBC3-682-111 | -             | ∅ 0.60   |



### SBC4

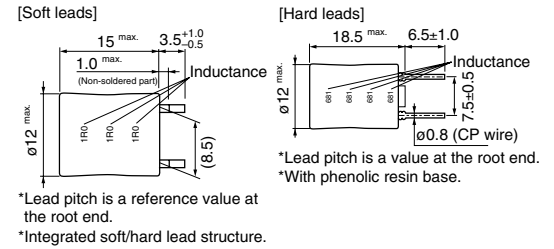
| Part Number  | Lead Diameter |          |
|--------------|---------------|----------|
|              | Soft Lead     | Pin Lead |
| SBC4-1R0-742 | ∅ 0.80        | -        |
| SBC4-1R5-712 | ∅ 0.80        | -        |
| SBC4-2R7-662 | ∅ 0.80        | -        |
| SBC4-3R3-642 | ∅ 0.80        | -        |
| SBC4-4R7-582 | ∅ 0.70        | -        |
| SBC4-6R8-452 | ∅ 0.60        | -        |
| SBC4-100-292 | ∅ 0.50        | -        |
| SBC4-150-232 | ∅ 0.45        | -        |
| SBC4-220-202 | ∅ 0.45        | -        |
| SBC4-330-182 | ∅ 0.45        | -        |
| SBC4-470-162 | ∅ 0.45        | -        |
| SBC4-680-122 | ∅ 0.35        | -        |
| SBC4-101-102 | ∅ 0.32        | -        |
| SBC4-151-861 | ∅ 0.32        | -        |
| SBC4-221-721 | -             | ∅ 0.60   |
| SBC4-331-591 | -             | ∅ 0.60   |
| SBC4-471-491 | -             | ∅ 0.60   |
| SBC4-681-431 | -             | ∅ 0.60   |
| SBC4-102-291 | -             | ∅ 0.60   |
| SBC4-152-221 | -             | ∅ 0.60   |
| SBC4-222-211 | -             | ∅ 0.60   |
| SBC4-332-161 | -             | ∅ 0.60   |
| SBC4-472-141 | -             | ∅ 0.60   |
| SBC4-682-111 | -             | ∅ 0.60   |
| SBC4-103-111 | -             | ∅ 0.60   |



## Dimensions – Millimeters cont.

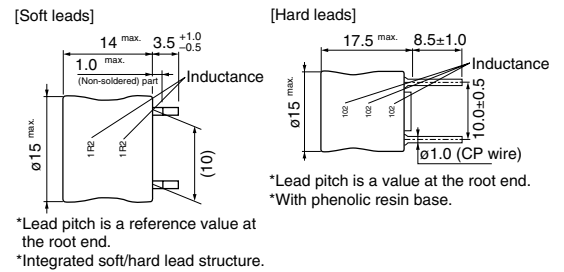
### SBC6

| Part Number  | Lead Diameter |          |
|--------------|---------------|----------|
|              | Soft Lead     | Pin Lead |
| SBC6-1R0-962 | ∅ 1.20        | -        |
| SBC6-1R5-942 | ∅ 1.20        | -        |
| SBC6-2R7-872 | ∅ 1.20        | -        |
| SBC6-3R3-852 | ∅ 1.20        | -        |
| SBC6-4R7-802 | ∅ 1.20        | -        |
| SBC6-6R8-662 | ∅ 1.00        | -        |
| SBC6-100-462 | ∅ 0.80        | -        |
| SBC6-150-382 | ∅ 0.70        | -        |
| SBC6-220-302 | ∅ 0.60        | -        |
| SBC6-330-272 | ∅ 0.60        | -        |
| SBC6-470-232 | ∅ 0.60        | -        |
| SBC6-680-222 | ∅ 0.60        | -        |
| SBC6-101-172 | ∅ 0.55        | -        |
| SBC6-151-122 | ∅ 0.45        | -        |
| SBC6-221-112 | ∅ 0.40        | -        |
| SBC6-331-871 | ∅ 0.40        | -        |
| SBC6-471-701 | ∅ 0.35        | -        |
| SBC6-681-631 | -             | ∅ 0.80   |
| SBC6-102-561 | -             | ∅ 0.80   |
| SBC6-152-451 | -             | ∅ 0.80   |
| SBC6-222-351 | -             | ∅ 0.80   |
| SBC6-332-281 | -             | ∅ 0.80   |
| SBC6-472-241 | -             | ∅ 0.80   |
| SBC6-682-181 | -             | ∅ 0.80   |
| SBC6-103-161 | -             | ∅ 0.80   |



### SBC7

| Part Number  | Lead Diameter |          |
|--------------|---------------|----------|
|              | Soft Lead     | Pin Lead |
| SBC7-6R8-612 | ∅ 0.90        | -        |
| SBC7-100-532 | ∅ 0.90        | -        |
| SBC7-150-482 | ∅ 0.90        | -        |
| SBC7-220-432 | ∅ 0.90        | -        |
| SBC7-330-342 | ∅ 0.80        | -        |
| SBC7-470-282 | ∅ 0.70        | -        |
| SBC7-680-222 | ∅ 0.60        | -        |
| SBC7-101-192 | ∅ 0.60        | -        |
| SBC7-151-172 | ∅ 0.60        | -        |
| SBC7-221-132 | ∅ 0.50        | -        |
| SBC7-331-941 | ∅ 0.40        | -        |
| SBC7-471-851 | ∅ 0.40        | -        |
| SBC7-681-701 | ∅ 0.35        | -        |
| SBC7-102-541 | -             | ∅ 1.00   |
| SBC7-152-481 | -             | ∅ 1.00   |
| SBC7-222-421 | -             | ∅ 1.00   |
| SBC7-332-361 | -             | ∅ 1.00   |
| SBC7-472-281 | -             | ∅ 1.00   |
| SBC7-682-211 | -             | ∅ 1.00   |
| SBC7-103-191 | -             | ∅ 1.00   |



## Dimensions – Millimeters cont.

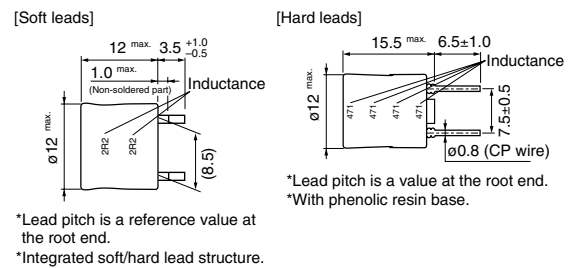
### SBC8

| Part Number  | Lead Diameter |          |
|--------------|---------------|----------|
|              | Soft Lead     | Pin Lead |
| SBC8-4R7-922 | ∅ 1.40        | -        |
| SBC8-6R8-862 | ∅ 1.20        | -        |
| SBC8-100-692 | ∅ 1.00        | -        |
| SBC8-150-532 | ∅ 0.90        | -        |
| SBC8-220-492 | ∅ 0.90        | -        |
| SBC8-330-452 | ∅ 0.90        | -        |
| SBC8-470-372 | ∅ 0.90        | -        |
| SBC8-680-322 | ∅ 0.80        | -        |
| SBC8-820-262 | ∅ 0.70        | -        |
| SBC8-101-242 | ∅ 0.70        | -        |
| SBC8-151-202 | ∅ 0.60        | -        |
| SBC8-221-182 | ∅ 0.60        | -        |
| SBC8-331-142 | ∅ 0.55        | -        |
| SBC8-391-122 | ∅ 0.50        | -        |
| SBC8-471-112 | ∅ 0.45        | -        |
| SBC8-681-102 | ∅ 0.45        | -        |
| SBC8-102-761 | ∅ 0.40        | -        |
| SBC8-152-581 | -             | ∅ 1.00   |
| SBC8-222-471 | -             | ∅ 1.00   |
| SBC8-332-421 | -             | ∅ 1.00   |
| SBC8-472-391 | -             | ∅ 1.00   |
| SBC8-682-311 | -             | ∅ 1.00   |
| SBC8-103-251 | -             | ∅ 1.00   |



### SBC9

| Part Number  | Lead Diameter |          |
|--------------|---------------|----------|
|              | Soft Lead     | Pin Lead |
| SBC9-1R0-982 | ∅ 1.20        | -        |
| SBC9-1R5-942 | ∅ 1.20        | -        |
| SBC9-2R2-792 | ∅ 1.00        | -        |
| SBC9-3R3-622 | ∅ 0.90        | -        |
| SBC9-4R7-562 | ∅ 0.80        | -        |
| SBC9-6R8-492 | ∅ 0.70        | -        |
| SBC9-100-422 | ∅ 0.70        | -        |
| SBC9-150-362 | ∅ 0.70        | -        |
| SBC9-220-312 | ∅ 0.70        | -        |
| SBC9-330-252 | ∅ 0.60        | -        |
| SBC9-470-202 | ∅ 0.55        | -        |
| SBC9-560-182 | ∅ 0.50        | -        |
| SBC9-680-152 | ∅ 0.45        | -        |
| SBC9-101-122 | ∅ 0.40        | -        |
| SBC9-151-112 | ∅ 0.40        | -        |
| SBC9-221-821 | ∅ 0.35        | -        |
| SBC9-331-671 | ∅ 0.32        | -        |
| SBC9-471-601 | -             | ∅ 0.80   |
| SBC9-681-551 | -             | ∅ 0.80   |
| SBC9-102-451 | -             | ∅ 0.80   |
| SBC9-152-341 | -             | ∅ 0.80   |
| SBC9-222-271 | -             | ∅ 0.80   |
| SBC9-332-221 | -             | ∅ 0.80   |
| SBC9-472-181 | -             | ∅ 0.80   |
| SBC9-682-141 | -             | ∅ 0.80   |
| SBC9-103-121 | -             | ∅ 0.80   |



## Environmental Compliance

All KEMET through-hole inductors are RoHS Compliant.



## Performance Characteristics

| Series | Item                      | Performance Characteristics                       |
|--------|---------------------------|---|
| SBC1   | Operating temperature     | -20°C to +105°C (including self-temperature rise) |
|        | Rated inductance range    | 1 – 1,500 $\mu$ H at 10 kHz, 1 mA                 |
|        | Inductance tolerance      | $\pm$ 10% – $\pm$ 20%                             |
|        | Rated DC resistance range | 0.03 – 8.00 $\Omega$ maximum                      |
|        | Rated current range       | 0.18 – 3.10 A                                     |
| SBC2   | Operating temperature     | -20°C to +105°C (including self-temperature rise) |
|        | Rated inductance range    | 1 – 3,300 $\mu$ H at 10 kHz, 1 mA                 |
|        | Inductance tolerance      | $\pm$ 10% – $\pm$ 20%                             |
|        | Rated DC resistance range | 0.01 – 13.80 $\Omega$ maximum                     |
| SBC3   | Operating temperature     | -20°C to +105°C (including self-temperature rise) |
|        | Rated inductance range    | 1.2 – 6,800 $\mu$ H at 10 kHz, 1 mA               |
|        | Inductance tolerance      | $\pm$ 10% – $\pm$ 20%                             |
|        | Rated DC resistance range | 0.01 – 14.50 $\Omega$ maximum                     |
|        | Rated current range       | 0.11 – 7.50 A                                     |
| SBC4   | Operating temperature     | -20°C to +105°C (including self-temperature rise) |
|        | Rated inductance range    | 1 – 10,000 $\mu$ H at 10 kHz, 1 mA                |
|        | Inductance tolerance      | $\pm$ 10% – $\pm$ 20%                             |
|        | Rated DC resistance range | 0.01 – 19.50 $\Omega$ maximum                     |
|        | Rated current range       | 0.11 – 7.40 A                                     |

## Performance Characteristics cont.

| Series | Item                      | Performance Characteristics                       |
|--------|---------------------------|---|
| SBC6   | Operating temperature     | -20°C to +105°C (including self-temperature rise) |
|        | Rated inductance range    | 1 – 10,000 µH at 10 kHz, 1 mA                     |
|        | Inductance tolerance      | ±10% – ±20%                                       |
|        | Rated DC resistance range | 0.01 – 13.60 Ω maximum                            |
|        | Rated current range       | 0.16 – 9.60 A                                     |
| SBC7   | Operating temperature     | -20°C to +105°C (including self-temperature rise) |
|        | Rated inductance range    | 6.8 – 10,000 µH at 10 kHz, 1 mA                   |
|        | Inductance tolerance      | ±10% – ±20%                                       |
|        | Rated DC resistance range | 0.02 – 10.30 Ω maximum                            |
|        | Rated current range       | 0.19 – 6.10 A                                     |
| SBC8   | Operating temperature     | -20°C to +105°C (including self-temperature rise) |
|        | Rated inductance range    | 4.7 – 10,000 µH at 10 kHz, 1 mA                   |
|        | Inductance tolerance      | ±10% – ±20%                                       |
|        | Rated DC resistance range | 0.01 – 6.90 Ω maximum                             |
|        | Rated current range       | 0.25 – 9.20 A                                     |
| SBC9   | Operating temperature     | -20°C to +105°C (including self-temperature rise) |
|        | Rated inductance range    | 1 – 10,000 µH at 10 kHz, 1 mA                     |
|        | Inductance tolerance      | ±10% – ±20%                                       |
|        | Rated DC resistance range | 0.01 – 16.10 Ω maximum                            |
|        | Rated current range       | 0.12 – 9.80 A                                     |

## Inductance Distribution (µH)

1 - 10,000 µH



**Table 1 – Ratings & Part Number Reference**

| Part Number  | Inductance L (µH) at 10 kHz, 1 mA | Inductance Tolerance | DC Resistance (Ω) Maximum | Rated Current (A) ΔT = 20°C | Current (Reference Value) (A) |                    | Terminal  |          | Weight (g) |
|--------------|-----------------------------------|----------------------|---------------------------|-----------------------------|-------------------------------|--------------------|-----------|----------|------------|
|              |                                   |                      |                           |                             | 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               | •         |          | 0.350      |
| SBC1-1R5-292 | 1.5                               | ±20%                 | 0.03                      | 2.90                        | 4.00                          | 4.00               | •         |          | 0.500      |
| SBC1-2R2-272 | 2.2                               | ±20%                 | 0.04                      | 2.70                        | 3.70                          | 3.20               | •         |          | 0.347      |
| SBC1-3R3-232 | 3.3                               | ±20%                 | 0.04                      | 2.30                        | 3.20                          | 2.70               | •         |          | 0.360      |
| SBC1-4R7-202 | 4.7                               | ±20%                 | 0.05                      | 2.00                        | 2.80                          | 2.10               | •         |          | 0.500      |
| SBC1-6R8-182 | 6.8                               | ±20%                 | 0.06                      | 1.80                        | 2.50                          | 1.90               | •         |          | 0.500      |
| SBC1-100-172 | 10.0                              | ±20%                 | 0.08                      | 1.70                        | 2.30                          | 1.50               | •         |          | 0.422      |
| SBC1-150-162 | 15.0                              | ±20%                 | 0.10                      | 1.60                        | 2.20                          | 1.20               | •         |          | 0.500      |
| SBC1-220-132 | 22.0                              | ±20%                 | 0.13                      | 1.30                        | 1.80                          | 1.00               | •         |          | 0.500      |
| SBC1-330-102 | 33.0                              | ±20%                 | 0.22                      | 1.00                        | 1.40                          | 0.83               | •         |          | 0.500      |
| SBC1-470-711 | 47.0                              | ±10%                 | 0.34                      | 0.71                        | 0.99                          | 0.71               |           | •        | 0.600      |
| SBC1-680-651 | 68.0                              | ±10%                 | 0.42                      | 0.65                        | 0.91                          | 0.59               |           | •        | 0.600      |
| SBC1-101-571 | 100.0                             | ±10%                 | 0.65                      | 0.57                        | 0.79                          | 0.47               |           | •        | 0.516      |
| SBC1-151-431 | 150.0                             | ±10%                 | 0.65                      | 0.57                        | 0.79                          | 0.47               |           | •        | 0.600      |
| SBC1-221-391 | 220.0                             | ±10%                 | 1.20                      | 0.39                        | 0.54                          | 0.32               |           | •        | 0.600      |
| SBC1-331-341 | 330.0                             | ±10%                 | 1.90                      | 0.34                        | 0.47                          | 0.26               |           | •        | 0.600      |
| SBC1-471-301 | 470.0                             | ±10%                 | 2.40                      | 0.30                        | 0.42                          | 0.21               |           | •        | 0.600      |
| SBC1-561-291 | 560.0                             | ±10%                 | 3.40                      | 0.29                        | 0.40                          | 0.20               |           | •        | 0.520      |
| SBC1-681-251 | 680.0                             | ±10%                 | 3.40                      | 0.25                        | 0.35                          | 0.18               |           | •        | 0.536      |
| SBC1-102-211 | 1000.0                            | ±10%                 | 4.90                      | 0.21                        | 0.29                          | 0.14               |           | •        | 0.593      |
| SBC1-152-181 | 1500.0                            | ±10%                 | 8.00                      | 0.18                        | 0.25                          | 0.12               |           | •        | 0.600      |
| SBC2-1R0-612 | 1.0                               | ±20%                 | 0.01                      | 6.10                        | 8.50                          | 6.40               | •         |          | 0.610      |
| SBC2-1R5-402 | 1.5                               | ±20%                 | 0.02                      | 4.00                        | 5.60                          | 4.90               | •         |          | 0.700      |
| SBC2-3R3-352 | 3.3                               | ±20%                 | 0.03                      | 3.50                        | 4.90                          | 4.00               | •         |          | 0.629      |
| SBC2-4R7-262 | 4.7                               | ±20%                 | 0.04                      | 2.60                        | 3.60                          | 3.10               | •         |          | 0.700      |
| SBC2-6R8-242 | 6.8                               | ±20%                 | 0.05                      | 2.40                        | 3.30                          | 2.70               | •         |          | 0.675      |
| SBC2-100-212 | 10.0                              | ±20%                 | 0.06                      | 2.10                        | 2.90                          | 2.10               | •         |          | 0.731      |
| SBC2-150-162 | 15.0                              | ±20%                 | 0.08                      | 1.60                        | 2.20                          | 1.70               | •         |          | 0.700      |
| SBC2-220-132 | 22.0                              | ±20%                 | 0.11                      | 1.30                        | 1.80                          | 1.40               | •         |          | 0.710      |
| SBC2-330-112 | 33.0                              | ±20%                 | 0.18                      | 1.10                        | 1.50                          | 1.20               | •         |          | 0.700      |
| SBC2-470-951 | 47.0                              | ±10%                 | 0.21                      | 0.95                        | 1.30                          | 1.00               | •         |          | 0.700      |
| SBC2-680-871 | 68.0                              | ±10%                 | 0.26                      | 0.87                        | 1.20                          | 0.81               | •         |          | 0.700      |
| SBC2-101-671 | 100.0                             | ±10%                 | 0.41                      | 0.67                        | 0.93                          | 0.68               |           | •        | 0.890      |
| SBC2-151-501 | 150.0                             | ±10%                 | 0.64                      | 0.50                        | 0.70                          | 0.55               |           | •        | 0.900      |
| SBC2-221-411 | 220.0                             | ±10%                 | 0.87                      | 0.41                        | 0.57                          | 0.45               |           | •        | 0.900      |
| SBC2-331-341 | 330.0                             | ±10%                 | 1.40                      | 0.34                        | 0.47                          | 0.37               |           | •        | 0.900      |
| SBC2-471-271 | 470.0                             | ±10%                 | 2.00                      | 0.27                        | 0.37                          | 0.32               |           | •        | 0.900      |
| SBC2-681-211 | 680.0                             | ±10%                 | 3.10                      | 0.21                        | 0.29                          | 0.26               |           | •        | 0.900      |
| SBC2-102-181 | 1000.0                            | ±10%                 | 4.00                      | 0.18                        | 0.25                          | 0.21               |           | •        | 0.940      |
| SBC2-152-141 | 1500.0                            | ±10%                 | 6.20                      | 0.14                        | 0.19                          | 0.17               |           | •        | 0.900      |
| SBC2-222-121 | 2200.0                            | ±10%                 | 8.00                      | 0.12                        | 0.16                          | 0.14               |           | •        | 0.900      |
| SBC2-272-101 | 2700.0                            | ±10%                 | 11.60                     | 0.10                        | 0.14                          | 0.13               |           | •        | 0.900      |
| SBC2-332-900 | 3300.0                            | ±10%                 | 13.80                     | 0.09                        | 0.12                          | 0.11               |           | •        | 0.900      |
| SBC3-1R2-752 | 1.2                               | ±20%                 | 0.01                      | 7.50                        | 10.50                         | 9.80               | •         |          | 1.600      |
| SBC3-1R5-632 | 1.5                               | ±20%                 | 0.01                      | 6.30                        | 8.80                          | 8.30               | •         |          | 1.600      |
| SBC3-2R2-602 | 2.2                               | ±20%                 | 0.02                      | 6.00                        | 8.40                          | 7.20               | •         |          | 1.600      |
| SBC3-3R3-472 | 3.3                               | ±20%                 | 0.02                      | 4.70                        | 6.50                          | 5.60               | •         |          | 1.600      |
| SBC3-4R7-422 | 4.7                               | ±20%                 | 0.02                      | 4.20                        | 5.80                          | 4.60               | •         |          | 1.600      |
| SBC3-6R8-392 | 6.8                               | ±20%                 | 0.03                      | 3.90                        | 5.40                          | 4.00               | •         |          | 1.600      |
| SBC3-100-362 | 10.0                              | ±20%                 | 0.03                      | 3.60                        | 5.00                          | 3.00               | •         |          | 1.650      |
| SBC3-150-232 | 15.0                              | ±20%                 | 0.05                      | 2.30                        | 3.20                          | 2.60               | •         |          | 1.600      |
| SBC3-220-202 | 22.0                              | ±20%                 | 0.06                      | 2.00                        | 2.80                          | 2.10               | •         |          | 1.600      |
| SBC3-330-172 | 33.0                              | ±20%                 | 0.09                      | 1.70                        | 2.30                          | 1.80               | •         |          | 1.600      |
| SBC3-470-142 | 47.0                              | ±10%                 | 0.12                      | 1.40                        | 1.90                          | 1.40               | •         |          | 1.610      |
| SBC3-680-112 | 68.0                              | ±10%                 | 0.19                      | 1.10                        | 1.50                          | 1.20               | •         |          | 1.550      |
| SBC3-101-961 | 100.0                             | ±10%                 | 0.26                      | 0.96                        | 1.30                          | 1.00               | •         |          | 1.536      |
| SBC3-151-791 | 150.0                             | ±10%                 | 0.36                      | 0.79                        | 1.10                          | 0.81               | •         |          | 1.600      |
| SBC3-221-681 | 220.0                             | ±10%                 | 0.49                      | 0.68                        | 0.95                          | 0.67               |           | •        | 1.791      |
| Part Number  | Inductance L (µH) at 10 kHz, 1 mA | Inductance Tolerance | DC Resistance (Ω) Maximum | Rated Current (A) ΔT = 20°C | Current (Reference Value) (A) |                    | Terminal  |          | Weight (g) |
|              |                                   |                      |                           |                             | ΔT = 40°C                     | L Change Rate -10% | Soft Lead | Pin Lead |            |

**Table 1 – Ratings & Part Number Reference cont.**

| Part Number  | Inductance L (μH) at 10 kHz, 1 mA | Inductance Tolerance | DC Resistance (Ω) Maximum | Rated Current (A) ΔT = 20°C | Current (Reference Value) (A) |                    | Terminal  |          | Weight (g) |
|--------------|-----------------------------------|----------------------|---------------------------|-----------------------------|-------------------------------|--------------------|-----------|----------|------------|
|              |                                   |                      |                           |                             | ΔT = 40°C                     | L Change Rate -10% | Soft Lead | Pin Lead |            |
| SBC3-331-551 | 330.0                             | ±10%                 | 0.72                      | 0.55                        | 0.77                          | 0.53               |           | •        | 1.880      |
| SBC3-471-491 | 470.0                             | ±10%                 | 1.02                      | 0.49                        | 0.68                          | 0.46               |           | •        | 1.850      |
| SBC3-561-421 | 560.0                             | ±10%                 | 1.20                      | 0.42                        | 0.58                          | 0.42               |           | •        | 1.790      |
| SBC3-681-361 | 680.0                             | ±10%                 | 1.62                      | 0.36                        | 0.50                          | 0.38               |           | •        | 1.800      |
| SBC3-102-281 | 1000.0                            | ±10%                 | 2.37                      | 0.28                        | 0.39                          | 0.31               |           | •        | 1.686      |
| SBC3-122-281 | 1200.0                            | ±10%                 | 2.70                      | 0.28                        | 0.39                          | 0.28               |           | •        | 1.750      |
| SBC3-152-251 | 1500.0                            | ±10%                 | 3.64                      | 0.25                        | 0.35                          | 0.26               |           | •        | 1.746      |
| SBC3-222-191 | 2200.0                            | ±10%                 | 5.62                      | 0.19                        | 0.26                          | 0.21               |           | •        | 1.800      |
| SBC3-332-151 | 3300.0                            | ±10%                 | 7.66                      | 0.15                        | 0.21                          | 0.17               |           | •        | 1.800      |
| SBC3-472-121 | 4700.0                            | ±10%                 | 11.40                     | 0.12                        | 0.16                          | 0.14               |           | •        | 1.800      |
| SBC3-682-111 | 6800.0                            | ±10%                 | 14.50                     | 0.11                        | 0.15                          | 0.12               |           | •        | 1.800      |
| SBC4-1R0-742 | 1.0                               | ±20%                 | 0.01                      | 7.40                        | 10.30                         | 14.90              | •         |          | 1.980      |
| SBC4-1R5-712 | 1.5                               | ±20%                 | 0.01                      | 7.10                        | 9.90                          | 12.60              | •         |          | 2.400      |
| SBC4-2R7-662 | 2.7                               | ±20%                 | 0.02                      | 6.60                        | 9.20                          | 9.60               | •         |          | 2.080      |
| SBC4-3R3-642 | 3.3                               | ±20%                 | 0.02                      | 6.40                        | 8.90                          | 8.60               | •         |          | 2.180      |
| SBC4-4R7-582 | 4.7                               | ±20%                 | 0.02                      | 5.80                        | 8.10                          | 7.10               | •         |          | 2.070      |
| SBC4-6R8-452 | 6.8                               | ±20%                 | 0.03                      | 4.50                        | 6.30                          | 5.60               | •         |          | 1.972      |
| SBC4-100-292 | 10.0                              | ±20%                 | 0.04                      | 2.90                        | 4.00                          | 4.60               | •         |          | 1.910      |
| SBC4-150-232 | 15.0                              | ±20%                 | 0.06                      | 2.30                        | 3.20                          | 4.00               | •         |          | 1.880      |
| SBC4-220-202 | 22.0                              | ±20%                 | 0.07                      | 2.00                        | 2.80                          | 3.20               | •         |          | 1.950      |
| SBC4-330-182 | 33.0                              | ±20%                 | 0.09                      | 1.80                        | 2.50                          | 2.60               | •         |          | 2.400      |
| SBC4-470-162 | 47.0                              | ±10%                 | 0.11                      | 1.60                        | 2.20                          | 2.10               | •         |          | 2.424      |
| SBC4-680-122 | 68.0                              | ±10%                 | 0.19                      | 1.20                        | 1.60                          | 1.80               | •         |          | 2.050      |
| SBC4-101-102 | 100.0                             | ±10%                 | 0.26                      | 1.00                        | 1.40                          | 1.50               | •         |          | 2.012      |
| SBC4-151-861 | 150.0                             | ±10%                 | 0.36                      | 0.86                        | 1.20                          | 1.20               | •         |          | 2.164      |
| SBC4-221-721 | 220.0                             | ±10%                 | 0.47                      | 0.72                        | 1.00                          | 1.00               |           | •        | 2.490      |
| SBC4-331-591 | 330.0                             | ±10%                 | 0.67                      | 0.59                        | 0.82                          | 0.81               |           | •        | 2.600      |
| SBC4-471-491 | 470.0                             | ±10%                 | 0.95                      | 0.49                        | 0.68                          | 0.68               |           | •        | 2.620      |
| SBC4-681-431 | 680.0                             | ±10%                 | 1.32                      | 0.43                        | 0.60                          | 0.57               |           | •        | 2.600      |
| SBC4-102-291 | 1000.0                            | ±10%                 | 2.15                      | 0.29                        | 0.40                          | 0.47               |           | •        | 2.600      |
| SBC4-152-221 | 1500.0                            | ±10%                 | 3.24                      | 0.22                        | 0.30                          | 0.38               |           | •        | 2.400      |
| SBC4-222-211 | 2200.0                            | ±10%                 | 4.97                      | 0.21                        | 0.29                          | 0.32               |           | •        | 2.600      |
| SBC4-332-161 | 3300.0                            | ±10%                 | 7.69                      | 0.16                        | 0.22                          | 0.26               |           | •        | 2.600      |
| SBC4-472-141 | 4700.0                            | ±10%                 | 9.78                      | 0.14                        | 0.19                          | 0.21               |           | •        | 2.600      |
| SBC4-682-111 | 6800.0                            | ±10%                 | 15.00                     | 0.11                        | 0.15                          | 0.18               |           | •        | 2.600      |
| SBC4-103-111 | 10000.0                           | ±10%                 | 19.50                     | 0.11                        | 0.15                          | 0.14               |           | •        | 2.590      |
| SBC6-1R0-962 | 1.0                               | ±20%                 | 0.01                      | 9.60                        | 13.40                         | 37.70              | •         |          | 4.500      |
| SBC6-1R5-942 | 1.5                               | ±20%                 | 0.01                      | 9.40                        | 13.10                         | 30.90              | •         |          | 4.770      |
| SBC6-2R7-872 | 2.7                               | ±20%                 | 0.01                      | 8.70                        | 12.10                         | 22.60              | •         |          | 4.820      |
| SBC6-3R3-852 | 3.3                               | ±20%                 | 0.01                      | 8.50                        | 11.90                         | 20.00              | •         |          | 5.641      |
| SBC6-4R7-802 | 4.7                               | ±20%                 | 0.01                      | 8.00                        | 11.20                         | 16.10              | •         |          | 6.230      |
| SBC6-6R8-662 | 6.8                               | ±20%                 | 0.02                      | 6.60                        | 9.20                          | 13.60              | •         |          | 5.650      |
| SBC6-100-462 | 10.0                              | ±20%                 | 0.03                      | 4.60                        | 6.40                          | 10.90              | •         |          | 5.030      |
| SBC6-150-382 | 15.0                              | ±20%                 | 0.03                      | 3.80                        | 5.30                          | 9.10               | •         |          | 4.769      |
| SBC6-220-302 | 22.0                              | ±20%                 | 0.05                      | 3.00                        | 4.20                          | 7.50               | •         |          | 4.630      |
| SBC6-330-272 | 33.0                              | ±20%                 | 0.06                      | 2.70                        | 3.70                          | 6.10               | •         |          | 4.855      |
| SBC6-470-232 | 47.0                              | ±10%                 | 0.08                      | 2.30                        | 3.20                          | 5.00               | •         |          | 5.400      |
| SBC6-680-222 | 68.0                              | ±10%                 | 0.09                      | 2.20                        | 3.00                          | 4.10               | •         |          | 5.930      |
| SBC6-101-172 | 100.0                             | ±10%                 | 0.13                      | 1.70                        | 2.30                          | 3.50               | •         |          | 5.860      |
| SBC6-151-122 | 150.0                             | ±10%                 | 0.23                      | 1.20                        | 1.60                          | 2.80               | •         |          | 5.402      |
| SBC6-221-112 | 220.0                             | ±10%                 | 0.33                      | 1.10                        | 1.50                          | 2.30               | •         |          | 5.810      |
| SBC6-331-871 | 330.0                             | ±10%                 | 0.41                      | 0.87                        | 1.20                          | 1.90               | •         |          | 5.769      |
| SBC6-471-701 | 470.0                             | ±10%                 | 0.63                      | 0.70                        | 0.98                          | 1.60               | •         |          | 5.560      |
| SBC6-681-631 | 680.0                             | ±10%                 | 0.98                      | 0.63                        | 0.88                          | 1.30               |           | •        | 5.700      |
| SBC6-102-561 | 1000.0                            | ±10%                 | 1.21                      | 0.56                        | 0.78                          | 1.10               |           | •        | 6.117      |
| SBC6-152-451 | 1500.0                            | ±10%                 | 1.80                      | 0.45                        | 0.63                          | 0.90               |           | •        | 6.500      |
| SBC6-222-351 | 2200.0                            | ±10%                 | 2.63                      | 0.35                        | 0.49                          | 0.73               |           | •        | 6.500      |
| SBC6-332-281 | 3300.0                            | ±10%                 | 4.24                      | 0.28                        | 0.39                          | 0.61               |           | •        | 6.500      |
| Part Number  | Inductance L (μH) at 10 kHz, 1 mA | Inductance Tolerance | DC Resistance (Ω) Maximum | Rated Current (A) ΔT = 20°C | Current (Reference Value) (A) |                    | Terminal  |          | Weight (g) |
|              |                                   |                      |                           |                             | ΔT = 40°C                     | L Change Rate -10% | Soft Lead | Pin Lead |            |

**Table 1 – Ratings & Part Number Reference cont.**

| Part Number  | Inductance L (μH) at 10 kHz, 1 mA | Inductance Tolerance | DC Resistance (Ω) Maximum | Rated Current (A) ΔT = 20°C | Current (Reference Value) (A) |                    | Terminal  |          | Weight (g) |
|--------------|-----------------------------------|----------------------|---------------------------|-----------------------------|-------------------------------|--------------------|-----------|----------|------------|
|              |                                   |                      |                           |                             | ΔT = 40°C                     | L Change Rate -10% | Soft Lead | Pin Lead |            |
| SBC6-472-241 | 4700.0                            | ±10%                 | 5.92                      | 0.24                        | 0.33                          | 0.50               |           | •        | 6.232      |
| SBC6-682-181 | 6800.0                            | ±10%                 | 8.92                      | 0.18                        | 0.25                          | 0.42               |           | •        | 6.068      |
| SBC6-103-161 | 10000.0                           | ±10%                 | 13.60                     | 0.16                        | 0.22                          | 0.35               |           | •        | 5.875      |
| SBC7-6R8-612 | 6.8                               | ±20%                 | 0.02                      | 6.10                        | 8.50                          | 13.90              | •         |          | 8.000      |
| SBC7-100-532 | 10.0                              | ±20%                 | 0.02                      | 5.30                        | 7.20                          | 11.80              | •         |          | 8.000      |
| SBC7-150-482 | 15.0                              | ±20%                 | 0.03                      | 4.80                        | 6.70                          | 9.60               | •         |          | 8.000      |
| SBC7-220-432 | 22.0                              | ±20%                 | 0.03                      | 4.30                        | 6.00                          | 7.80               | •         |          | 8.870      |
| SBC7-330-342 | 33.0                              | ±20%                 | 0.05                      | 3.40                        | 4.70                          | 6.20               | •         |          | 8.000      |
| SBC7-470-282 | 47.0                              | ±10%                 | 0.06                      | 2.80                        | 3.90                          | 5.20               | •         |          | 8.000      |
| SBC7-680-222 | 68.0                              | ±10%                 | 0.09                      | 2.20                        | 3.00                          | 4.50               | •         |          | 7.715      |
| SBC7-101-192 | 100.0                             | ±10%                 | 0.12                      | 1.90                        | 2.60                          | 3.60               | •         |          | 8.440      |
| SBC7-151-172 | 150.0                             | ±10%                 | 0.16                      | 1.70                        | 2.30                          | 2.90               | •         |          | 8.000      |
| SBC7-221-132 | 220.0                             | ±10%                 | 0.25                      | 1.30                        | 1.80                          | 2.40               | •         |          | 8.730      |
| SBC7-331-941 | 330.0                             | ±10%                 | 0.45                      | 0.94                        | 1.30                          | 2.00               | •         |          | 8.000      |
| SBC7-471-851 | 470.0                             | ±10%                 | 0.55                      | 0.85                        | 1.10                          | 1.60               | •         |          | 8.000      |
| SBC7-681-701 | 680.0                             | ±10%                 | 0.81                      | 0.70                        | 0.98                          | 1.40               | •         |          | 8.000      |
| SBC7-102-541 | 1000.0                            | ±10%                 | 1.20                      | 0.54                        | 0.75                          | 1.10               |           | •        | 8.974      |
| SBC7-152-481 | 1500.0                            | ±10%                 | 1.58                      | 0.48                        | 0.67                          | 0.93               |           | •        | 10.000     |
| SBC7-222-421 | 2200.0                            | ±10%                 | 2.18                      | 0.42                        | 0.58                          | 0.77               |           | •        | 10.000     |
| SBC7-332-361 | 3300.0                            | ±10%                 | 3.51                      | 0.36                        | 0.50                          | 0.63               |           | •        | 10.000     |
| SBC7-472-281 | 4700.0                            | ±10%                 | 4.83                      | 0.28                        | 0.39                          | 0.53               |           | •        | 10.000     |
| SBC7-682-211 | 6800.0                            | ±10%                 | 7.00                      | 0.21                        | 0.29                          | 0.44               |           | •        | 10.000     |
| SBC7-103-191 | 10000.0                           | ±10%                 | 10.30                     | 0.19                        | 0.26                          | 0.36               |           | •        | 10.000     |
| SBC8-4R7-922 | 4.7                               | ±20%                 | 0.01                      | 9.20                        | 12.80                         | 16.80              | •         |          | 10.000     |
| SBC8-6R8-862 | 6.8                               | ±20%                 | 0.02                      | 8.60                        | 12.00                         | 13.90              | •         |          | 10.010     |
| SBC8-100-692 | 10.0                              | ±20%                 | 0.02                      | 6.90                        | 9.60                          | 11.80              | •         |          | 10.257     |
| SBC8-150-532 | 15.0                              | ±20%                 | 0.03                      | 5.30                        | 7.40                          | 9.60               | •         |          | 11.000     |
| SBC8-220-492 | 22.0                              | ±20%                 | 0.03                      | 4.90                        | 6.80                          | 7.80               | •         |          | 12.200     |
| SBC8-330-452 | 33.0                              | ±20%                 | 0.04                      | 4.50                        | 6.30                          | 6.50               | •         |          | 12.540     |
| SBC8-470-372 | 47.0                              | ±10%                 | 0.04                      | 3.70                        | 5.10                          | 5.40               | •         |          | 12.877     |
| SBC8-680-322 | 68.0                              | ±10%                 | 0.06                      | 3.20                        | 4.40                          | 4.30               | •         |          | 12.581     |
| SBC8-820-262 | 82.0                              | ±10%                 | 0.07                      | 2.60                        | 3.60                          | 4.10               | •         |          | 10.000     |
| SBC8-101-242 | 100.0                             | ±10%                 | 0.09                      | 2.40                        | 3.30                          | 3.50               | •         |          | 10.022     |
| SBC8-151-202 | 150.0                             | ±10%                 | 0.15                      | 2.00                        | 2.80                          | 3.00               | •         |          | 11.190     |
| SBC8-221-182 | 220.0                             | ±10%                 | 0.17                      | 1.80                        | 2.50                          | 2.40               | •         |          | 11.000     |
| SBC8-331-142 | 330.0                             | ±10%                 | 0.25                      | 1.40                        | 1.90                          | 2.00               | •         |          | 12.500     |
| SBC8-391-122 | 390.0                             | ±10%                 | 0.37                      | 1.20                        | 1.60                          | 1.90               | •         |          | 12.000     |
| SBC8-471-112 | 470.0                             | ±10%                 | 0.42                      | 1.10                        | 1.50                          | 1.60               | •         |          | 11.000     |
| SBC8-681-102 | 680.0                             | ±10%                 | 0.52                      | 1.00                        | 1.40                          | 1.30               | •         |          | 12.200     |
| SBC8-102-761 | 1000.0                            | ±10%                 | 0.78                      | 0.76                        | 1.00                          | 1.10               | •         |          | 12.328     |
| SBC8-152-581 | 1500.0                            | ±10%                 | 1.30                      | 0.58                        | 0.81                          | 0.92               |           | •        | 13.000     |
| SBC8-222-471 | 2200.0                            | ±10%                 | 1.80                      | 0.47                        | 0.67                          | 0.78               |           | •        | 13.000     |
| SBC8-332-421 | 3300.0                            | ±10%                 | 2.50                      | 0.42                        | 0.58                          | 0.63               |           | •        | 13.000     |
| SBC8-472-391 | 4700.0                            | ±10%                 | 3.20                      | 0.39                        | 0.54                          | 0.53               |           | •        | 13.000     |
| SBC8-682-311 | 6800.0                            | ±10%                 | 4.90                      | 0.31                        | 0.43                          | 0.44               |           | •        | 13.000     |
| SBC8-103-251 | 10000.0                           | ±10%                 | 6.90                      | 0.25                        | 0.35                          | 0.36               |           | •        | 13.000     |
| SBC9-1R0-982 | 1.0                               | ±20%                 | 0.01                      | 9.80                        | 13.70                         | 31.10              | •         |          | 4.040      |
| SBC9-1R5-942 | 1.5                               | ±20%                 | 0.01                      | 9.40                        | 13.10                         | 25.40              | •         |          | 4.500      |
| SBC9-2R2-792 | 2.2                               | ±20%                 | 0.01                      | 7.90                        | 11.00                         | 21.50              | •         |          | 4.500      |
| SBC9-3R3-622 | 3.3                               | ±20%                 | 0.02                      | 6.20                        | 8.60                          | 16.40              | •         |          | 4.500      |
| SBC9-4R7-562 | 4.7                               | ±20%                 | 0.02                      | 5.60                        | 7.80                          | 14.70              | •         |          | 4.500      |
| SBC9-6R8-492 | 6.8                               | ±20%                 | 0.03                      | 4.90                        | 6.80                          | 12.10              | •         |          | 3.930      |
| SBC9-100-422 | 10.0                              | ±20%                 | 0.03                      | 4.20                        | 5.80                          | 9.60               | •         |          | 4.070      |
| SBC9-150-362 | 15.0                              | ±20%                 | 0.04                      | 3.60                        | 5.00                          | 7.50               | •         |          | 4.500      |
| SBC9-220-312 | 22.0                              | ±20%                 | 0.04                      | 3.10                        | 4.30                          | 6.20               | •         |          | 4.220      |
| SBC9-330-252 | 33.0                              | ±20%                 | 0.06                      | 2.50                        | 3.50                          | 5.20               | •         |          | 4.500      |
| SBC9-470-202 | 47.0                              | ±10%                 | 0.09                      | 2.00                        | 2.80                          | 4.30               | •         |          | 4.500      |
| SBC9-560-182 | 56.0                              | ±10%                 | 0.10                      | 1.80                        | 2.50                          | 4.00               | •         |          | 4.500      |
| Part Number  | Inductance L (μH) at 10 kHz, 1 mA | Inductance Tolerance | DC Resistance (Ω) Maximum | Rated Current (A) ΔT = 20°C | Current (Reference Value) (A) |                    | Terminal  |          | Weight (g) |
|              |                                   |                      |                           |                             | ΔT = 40°C                     | L Change Rate -10% | Soft Lead | Pin Lead |            |

**Table 1 – Ratings & Part Number Reference cont.**

| Part Number  | Inductance L (µH) at 10 kHz, 1 mA | Inductance Tolerance | DC Resistance (Ω) Maximum | Rated Current (A) ΔT = 20°C | Current (Reference Value) (A) |                    | Terminal  |          | Weight (g) |
|--------------|-----------------------------------|----------------------|---------------------------|-----------------------------|-------------------------------|--------------------|-----------|----------|------------|
|              |                                   |                      |                           |                             | ΔT = 40°C                     | L Change Rate -10% | Soft Lead | Pin Lead |            |
| SBC9-680-152 | 68.0                              | ±10%                 | 0.15                      | 1.50                        | 2.10                          | 3.70               | •         |          | 5.200      |
| SBC9-101-122 | 100.0                             | ±10%                 | 0.21                      | 1.20                        | 1.60                          | 3.00               | •         |          | 4.500      |
| SBC9-151-112 | 150.0                             | ±10%                 | 0.26                      | 1.10                        | 1.50                          | 2.40               | •         |          | 4.500      |
| SBC9-221-821 | 220.0                             | ±10%                 | 0.41                      | 0.82                        | 1.10                          | 2.00               | •         |          | 4.500      |
| SBC9-331-671 | 330.0                             | ±10%                 | 0.58                      | 0.67                        | 0.93                          | 1.60               | •         |          | 4.480      |
| SBC9-471-601 | 470.0                             | ±10%                 | 0.82                      | 0.60                        | 0.84                          | 1.30               |           | •        | 5.200      |
| SBC9-681-551 | 680.0                             | ±10%                 | 1.05                      | 0.55                        | 0.77                          | 1.10               |           | •        | 4.650      |
| SBC9-102-451 | 1000.0                            | ±10%                 | 1.53                      | 0.45                        | 0.63                          | 0.87               |           | •        | 5.200      |
| SBC9-152-341 | 1500.0                            | ±10%                 | 2.49                      | 0.34                        | 0.47                          | 0.72               |           | •        | 5.200      |
| SBC9-222-271 | 2200.0                            | ±10%                 | 3.78                      | 0.27                        | 0.38                          | 0.60               |           | •        | 4.500      |
| SBC9-332-221 | 3300.0                            | ±10%                 | 5.68                      | 0.22                        | 0.31                          | 0.48               |           | •        | 5.200      |
| SBC9-472-181 | 4700.0                            | ±10%                 | 8.20                      | 0.18                        | 0.25                          | 0.40               |           | •        | 5.200      |
| SBC9-682-141 | 6800.0                            | ±10%                 | 12.70                     | 0.14                        | 0.20                          | 0.34               |           | •        | 5.200      |
| SBC9-103-121 | 10000.0                           | ±10%                 | 16.10                     | 0.12                        | 0.17                          | 0.28               |           | •        | 5.200      |
| Part Number  | Inductance L (µH) at 10 kHz, 1 mA | Inductance Tolerance | DC Resistance (Ω) Maximum | Rated Current (A) ΔT = 20°C | Current (Reference Value) (A) |                    | Terminal  |          | Weight (g) |
|              |                                   |                      |                           |                             | ΔT = 40°C                     | L Change Rate -10% | Soft Lead | Pin Lead |            |

**Packaging**

| Series | Lead Type | Packaging Type | SPQ | Inner Package  | Quantity | Outer Package   | Quantity |
|--------|-----------|----------------|-----|--|----------|---|----------|
| SBC1   | Soft lead | Bulk Vinyl bag | 100 | Box   | 5,000    | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm  | 10,000   |
|        | Hard lead |                |     |  |          |   |          |
| SBC2   | Soft lead | Tray           | 250 | Tray  | 250      | Box<br>L 295 mm<br>W 275 mm<br>h 160 mm  | 3,750    |
|        | Hard lead | Bulk Vinyl bag | 100 | Box   | 4,000    | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm  | 8,000    |
| SBC3   | Soft lead | Tray           | 400 | Tray  | 400      | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm  | 4,000    |
|        | Hard lead | Bulk Vinyl bag | 100 | Box   | 2,000    | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm  | 4,000    |
| SBC4   | Soft lead | Tray           | 300 | Tray  | 300      | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm  | 3,000    |
|        | Hard lead | Bulk Vinyl bag | 100 | Box   | 2,000    | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm  | 4,000    |

## Packaging cont.

| Series | Lead Type | Packaging Type | SPQ | Inner Package   | Quantity | Outer Package   | Quantity |
|--------|-----------|----------------|-----|---|----------|---|----------|
| SBC6   | Soft lead | Tray           | 200 | Tray   | 200      | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm    | 1,600    |
|        | Hard lead | Bulk Vinyl bag | 100 | Box    | 1,000    | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm    | 2,000    |
| SBC7   | Soft lead | Bulk Vinyl bag | 50  | Box    | 500      | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm    | 1,000    |
|        | Hard lead |                |     |   |          |   |          |
| SBC8   | Soft lead | Tray           | 150 | Tray   | 150      | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm    | 900      |
|        | Hard lead | Bulk Vinyl bag | 50  | Box    | 500      | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm    | 1,000    |
| SBC9   | Soft lead | Tray           | 250 | Tray  | 250      | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm   | 2,000    |
|        | Hard lead | Bulk Vinyl bag | 100 | Box  | 1,000    | Box<br>L 210 mm<br>W 380 mm<br>H 220 mm  | 2,000    |

## Handling Precautions

Inductors should be stored in normal working environments. While the inductors themselves are quite robust in other environments, solderability will be degraded by exposure to high temperatures, high humidity, corrosive atmospheres, and long-term storage.

KEMET recommends that maximum storage temperature not exceed 40°C and maximum storage humidity not exceed 70% relative humidity. Atmospheres should be free of chlorine and sulfur-bearing compounds. Temperature fluctuations should be minimized to avoid condensation on the parts. For optimized solderability, inductors' stock should be used promptly, preferably within six months of receipt.

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