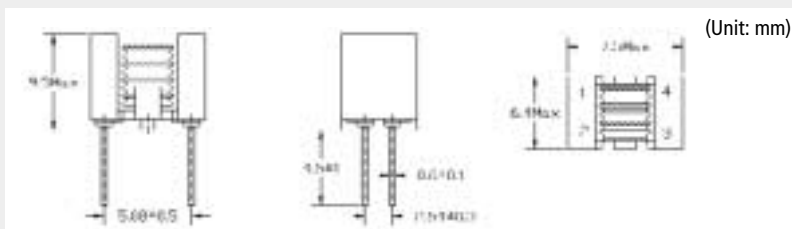
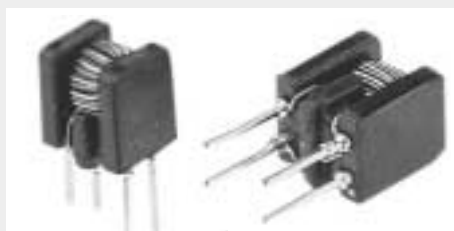


## EXTERNAL DIMENSIONS



## Test Equipment and Conditions

- Operating Temperature Range : - 25°C to + 85°C

## Features

- Easy mounting on pc board.
- L-element circuit ensures excellent attenuation characteristics over a wide frequency range.

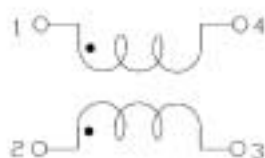
## Applications

- EMI countermeasures at signal lines of personal computers microcomputers ,peripheral devices , etc.
- Countermeasures against common-mode noise at composite video signals.

## Specifications

| Part Number | Inductance (μH)<br>@1KHz | PARALLEL              |                            | Inductance (μH)<br>@1KHz | SERIES                |                            |
|-------------|--------------------------|-----------------------|----------------------------|--------------------------|-----------------------|----------------------------|
|             |                          | Impedance (Ω)<br>min. | DC Resistance (mΩ)<br>max. |                          | Impedance (Ω)<br>min. | DC Resistance (mΩ)<br>max. |
| SBC-75-350  | 35±50%                   | 400@100MHz            | 30                         | 120(Typ)                 | 1575@40MHz            | 60                         |
| SBC-75-600  | 60±35%                   | 800@ 80MHz            | 40                         | 200(Typ)                 | 3000@20MHz            | 80                         |
| SBC-75-101  | 100±35%                  | 1100@ 50MHz           | 55                         | 300(Typ)                 | 4700@10MHz            | 110                        |

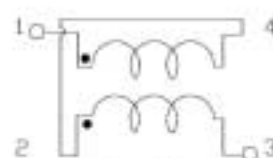
CIRCUIT



TEST CIRCUIT



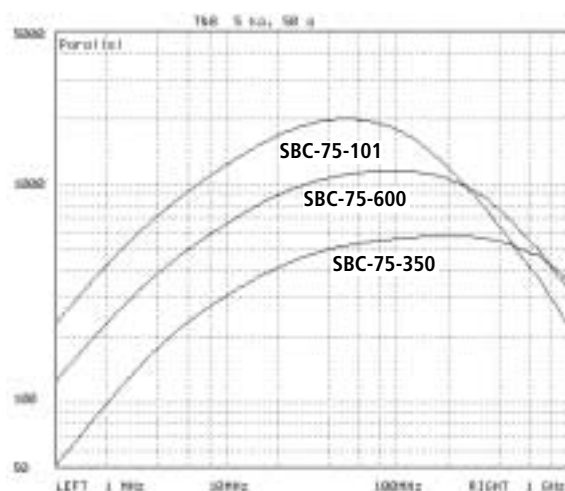
PARALLEL



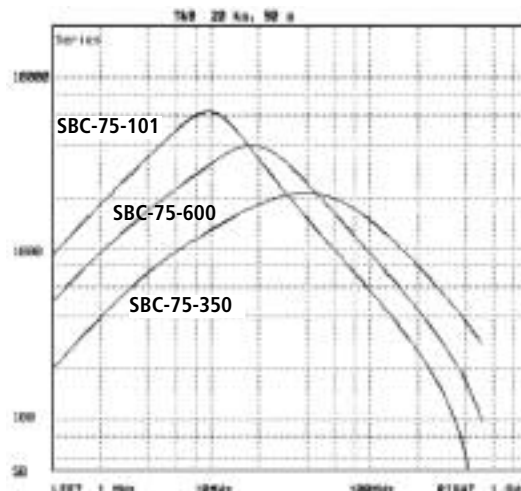
SERIES

## Impedance-Frequency Characteristics

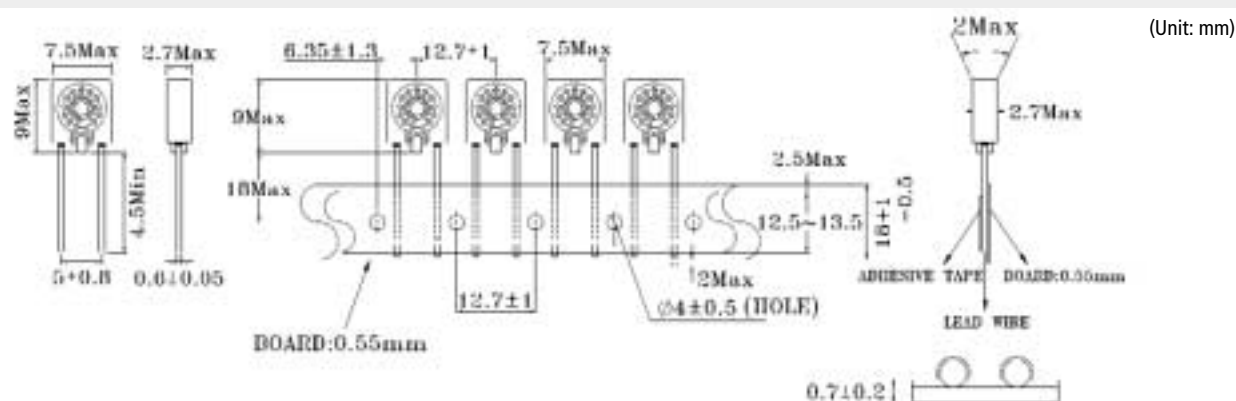
PARALLEL



SERIES



## EXTERNAL DIMENSIONS



## Test Equipment and Conditions

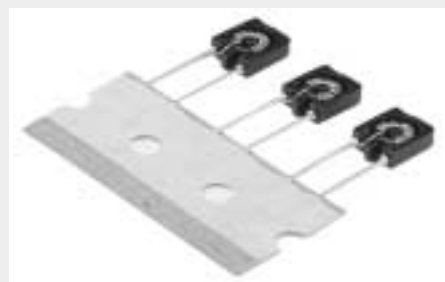
- Operating Temperature Range : - 25°C to + 85°C

## Features

- Unique configuration
- Ideal for EMI filters.
- Core is Ni-Zn ferrite.
- Base material is Phenolic.
- Highly accurate dimensions and taped for automatic inserting.

## Applications

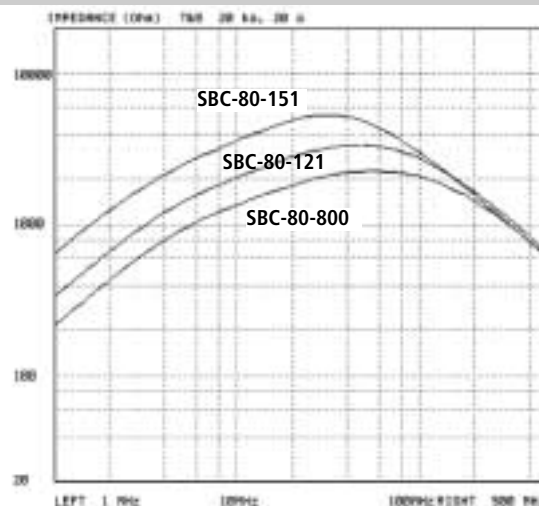
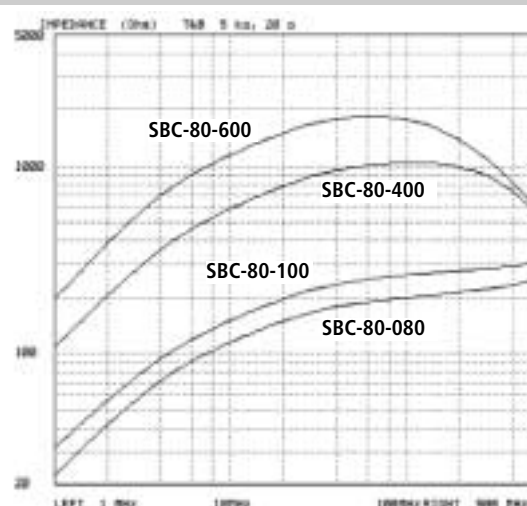
- EMI line filter.
- Personal computers.
- Microcomputer and peripheral devices.
- VCD, DVD and TV circuit.

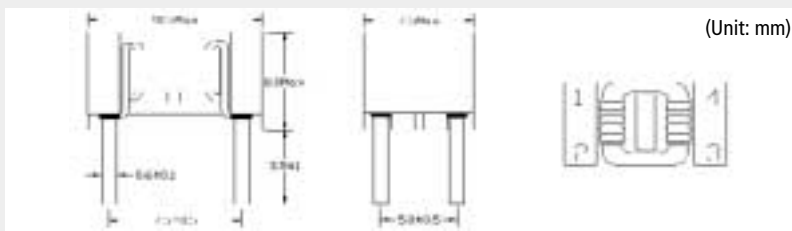


## Specifications

| Part Number | Inductance (μH) @1KHz | Test Frequency (MHz) | Impedance (Ω) min. | Rated DC Current (mA) | DC Resistance (mΩ) max.) |
|-------------|-----------------------|----------------------|--------------------|-----------------------|--------------------------|
| SBC-80-080  | 8±50%                 | 300                  | 165                | 500                   | 15                       |
| SBC-80-100  | 10±50%                | 200                  | 205                | 500                   | 15                       |
| SBC-80-400  | 40±50%                | 120                  | 770                | 500                   | 25                       |
| SBC-80-600  | 60±50%                | 60                   | 1360               | 500                   | 30                       |
| SBC-80-800  | 80±50%                | 60                   | 1680               | 500                   | 35                       |
| SBC-80-121  | 120±50%               | 50                   | 2500               | 250                   | 95                       |
| SBC-80-151  | 150±50%               | 30                   | 3960               | 250                   | 110                      |

## Impedance-Frequency Characteristics





- Operating Temperature Range : - 25°C to + 85°C

- Compact size high performance and low cost.
- Large impedance at high frequencies.
- Excellent high frequency characteristics.

- Applied equipment: TV, VCR, Switching power sources, NC machines, Computes systems and Measuring instruments.

| Part<br>Number | PARALLEL      |             |               | SERIES        |             |               |
|----------------|---------------|-------------|---------------|---------------|-------------|---------------|
|                | Inductance    | Impedance   | DC Resistance | Inductance    | Impedance   | DC Resistance |
|                | (μH)<br>@1KHz | (Ω)<br>min. | (mΩ)<br>max.  | (μH)<br>@1KHz | (Ω)<br>min. | (mΩ)<br>max.  |
| SBC-90-200     | 20±50%        | 540@250MHz  | 26            | 150(Typ)      | 2000@70MHz  | 53            |
| SBC-90-101     | 100±35%       | 1200@100MHz | 70            | 400(Typ)      | 3800@50MHz  | 190           |

## PARALLEL

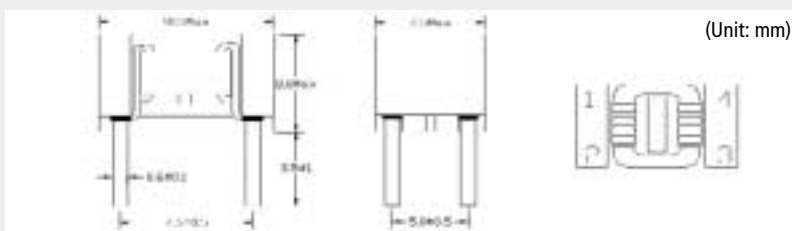
## SERIES

The figure contains two graphs side-by-side, labeled 'PARALLEL' and 'SERIES'.

**PARALLEL Graph:** The y-axis is logarithmic, ranging from 50 to 5000. The x-axis is logarithmic, ranging from 10 Hz to 10 kHz. Two curves are shown: SBC-90-101 (upper curve) and SBC-90-200 (lower curve). Both curves show a peak around 1 kHz.

**SERIES Graph:** The y-axis is logarithmic, ranging from 200 to 10000. The x-axis is logarithmic, ranging from 10 Hz to 10 kHz. Two curves are shown: SBC-90-101 (upper curve) and SBC-90-200 (lower curve). Both curves show a peak around 1 kHz.

## EXTERNAL DIMENSIONS



### Test Equipment and Conditions

- Operating Temperature Range : - 25°C to + 85°C

## Features

- Compact size high performance and low cost.
- Large impedance at high frequencies.
- Excellent high frequency characteristics.

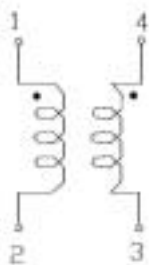
## Applications

- Applied equipment: TV, VCR, Switching power sources, NC machines, Computes systems and Measuring instruments.

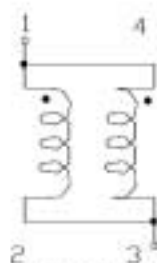
## Specifications

| Part Number       | Inductance (μH) | Impedance (Parallel) (mΩ) min. | DC Resistance (mΩ) max. |
|-------------------|-----------------|--------------------------------|-------------------------|
| <b>SBC-95-170</b> | 17±20%@100KHz   | 390@300MHz                     | 25                      |
| <b>SBC-95-270</b> | 27±50%@1KHz     | 900@50MHz                      | 30                      |

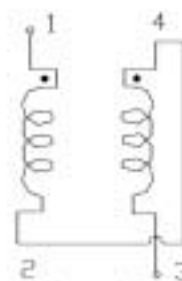
## CIRCUIT



## TEST CIRCUIT



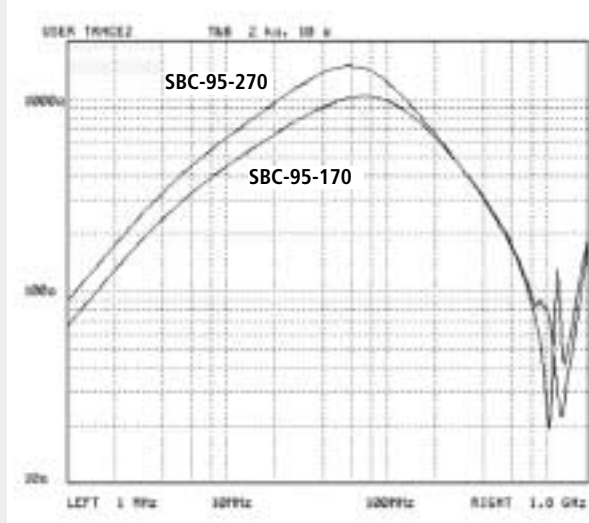
## PARALLEL



## SERIES

## Impedance-Frequency Characteristics

## PARALLEL



## SERIES

