

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

- Compact size high **current** 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.

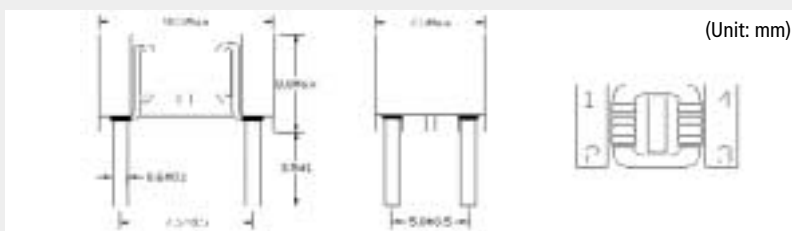
Part Number	PARALLEL			SERIES		
	Inductance	Impedance	DC Resistance	Inductance	Impedance	DC Resistance
	(μ H) @1KHz	(Ω) min.	(m Ω) max.	(μ H) @1KHz	(Ω) min.	(m Ω) max.
SBC-90-200	20 $\pm$ 50%	540@250MHz	26	150(Typ)	2000@70MHz	53
SBC-90-101	100 $\pm$ 35%	1200@100MHz	70	400(Typ)	3800@50MHz	190

Max Withstand Voltage: DC 1000V/3mA/1sec

SERIES

The figure contains two graphs side-by-side, labeled 'PARALLEL' and 'SERIES'. Both graphs plot magnitude (y-axis, logarithmic scale from 50 to 5000) against frequency (x-axis, logarithmic scale from 100 Hz to 10,000 Hz). The 'PARALLEL' graph shows the SBC-90-101 curve peaking at approximately 3000 at 1000 Hz, and the SBC-90-200 curve peaking at approximately 1000 at 1000 Hz. The 'SERIES' graph shows the SBC-90-101 curve peaking at approximately 8000 at 1000 Hz, and the SBC-90-200 curve peaking at approximately 3000 at 1000 Hz. Both curves show a sharp drop-off at high frequencies above 1000 Hz.

EXTERNAL DIMENSIONS



Test Equipment and Conditions

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

Features

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

Applications

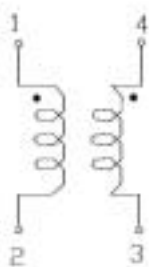
- Applied equipment: TV, VCR, Switching power sources, NC machines, Computers systems and Measuring instruments.

Specifications

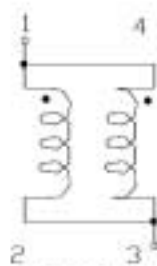
Part Number	Inductance (μH)	Impedance (Parallel) (mΩ) min.	DC Resistance (mΩ) max.
SBC-95-170	17±20%@100KHz	390@300MHz	25
SBC-95-270	27±50%@1KHz	900@50MHz	30

Current Rating: 3Amax Max Withstand Voltage: DC 1000V/3mA/1sec

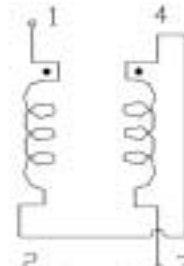
CIRCUIT



TEST CIRCUIT



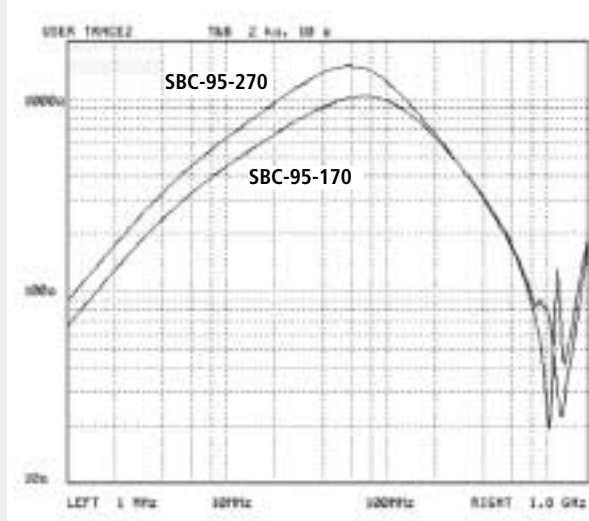
PARALLEL



SERIES

Impedance-Frequency Characteristics

PARALLEL



SERIES

